#### MERIDIAN OIL

April 4, 1986

State of Utah Natural Resources Oil, Gas and Mining 355 W. North Temple 3 Triad Center, Suite 350 Salt Lake City, Utah 84180-1203

Attention: Arlene Sollis

RECEIVED APR 0 7 1986

DIVISION OF OIL. GAS & MINING

Re:

Application for Permits to Drill

42-5 Navajo

SENE Section 5-39S-25E

43-5 Navajo

NESE Section 5-39S-25E San Juan County, Utah Federal Lease No. U-58728

walled & una

#### Gentlemen:

Enclosed are three copies of Form 3160-3, Application for Permit to Drill with attachments for each of the above referenced locations.

Please be advised that Meridian Oil Inc. requests that all pertinent data for this location be granted TIGHT HOLE status.

If you have any questions, please do not hesitate to call me at 406-256-4122.

Sincerely,

S. S. Nelson

Sr. Operations Technician

ssn

Encl

1175N

Form 9-331 C (May 1963)		s in the second		PLICATE'	Form approved Budget Bureau	l. No. 42-R1425.
,,		ED STATES	rever	structions on se side)		
JNED	processing the processing of t	OF THE INTE	RIOR		5. LEASE DESIGNATION A	
APPLICATION	N FOR PERMIT T		PEN, OR PLUG	BACK	6. IF INDIAN, ALLOTTEE Navajo	OR TRIBE NAME
1a. TYPE OF WORK  DRI	LL 🛎	DEEPEN	PLUG B	BACK 🗆	7. UNIT AGREEMENT NA	ME
b. TYPE OF WELL OIL X GA	AS OTHER		SINGLE X MUI	LTIPLE	8. FARM OR LEASE NAM	E
2. NAME OF OPERATOR MERIDIAN OIL		-			Navajo 9. well no.	· · ·
3. ADDRESS OF OPERATOR					42-5	S
P. O. Box 185	5, Billings, MI	59103		**	10. FIELD AND POOL, OF	R WILDCAT
At surface SENE At proposed prod. zon	E (1930' FNL - 3 . 2/30' Same	320' FEL)		#	11. SEC., T., R., M., OR B AND SURVEY OR ARI Section 5-39	LK. EA
14. DISTANCE IN MILES	AND DIRECTION FROM NEAR	EST TOWN OR POST OFF	ICE*		12. COUNTY OR PARISH	13. STATE
6 miles east	Hatch Trading P	ost			San Juan	Utah
15. DISTANCE FROM PROPO LOCATION TO NEAREST PROPERTY OR LEASE L (Also to nearest drig	: INE, FT. 320	1	NO. OF ACRES IN LEASE 520.28		F ACRES ASSIGNED HIS WELL 40	
18. DISTANCE FROM PROP TO NEAREST WELL, DO OR APPLIED FOR, ON TH	RILLING, COMPLETED, 100	l l	5780'	/ 20. ROTAL	Rotary	
21. ELEVATIONS (Show who	ether DF, RT, GR, etc.) 4791 GL (grad	ed)	<b>V</b>		June 15, 1	
23.	P	ROPOSED CASING A	ND CEMENTING PRO	GRAM		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH		QUANTITY OF CEMEN	
17-1/2	13-3/8	48#	80'	Redi-M	ix to surface	

The Upper Ismay and/or the Desert Creek will be selectively perforated and tested.

3,300'

5,780'

A 3000 psi WP and 6000 psi test double gate preventer equipped with blind and pipe rams will be used for blow out prevention on this well.

24 & 32#

5-1/2

7-7/8

15.5#



Two stage, DV tool @ 1500

Cement to sfc w/1500 sx "B" Lite

Single stage, top of cmt @ 2800'

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is zone. If proposal is to drill or deepen directionally, give p preventer program, if any.  WINSTEAD			
81GNED (M) BA (Minifexe)	_ TITLE	Sr. Drilling Engineer	DATE 3/26/86
(This space for Federal or State office use)			
PERMIT NO. 43-037-31261		APPROVAL DATE OF UTAH DIV	THE STATE
PERSITI NO.		OF UTAH DIV	ISION OF
APPROVED BY	TITLE _	OIL, GAS, AN	D MINING
CONDITIONS OF APPROVAL, IF ANY:		DATE: 4-21-8	
		BY: John K.	Dayo
*See	Instruction	ons On Revewed L SPACING:	302/10

## WELL LOCATION PLAT R25E 2130' 5321 1"= 1000' 320 T39S N0°03

WELL LOCATION DESCRIPTION:

ALTERNATE:

MERIDIAN CIL 42-5 NAVAJO 2130' FN & 320' FE SECTION 5, T39S, R25E, SLM SAN JUAN COUNTY, UTAH GROUND ELEVATION 4792' 1930 FN & 320 FE GR 4792

The above plat is true and correct knowledge and belief.

30 MARCH 1986



#### OIL AND GAS ORDER NO. 1

#### MERIDIAN OIL INC.

LEASE NAME: 42-5 Navajo LEASE NO. U-57895

LOCATION: SENE Section 5-39S-25E

1930' FNL - 320' FEL San Juan County, Utah

Kiva Field

#### A. EIGHT POINT DRILLING PROGRAM

#### 1.& 2. Estimated Tops:

Morrison	Surface	
Entrada	619	
Navajo	807	fresh water
Chinle	1512	
Shinarump	2380	
Cutler	2605	
Hermosa	4442	
Upper Ismay	5395	oil
Desert Creek	5649	oi1
Chimney Rock	5716	
Akah	5739	
TD	5780	
	Entrada Navajo Chinle Shinarump Cutler Hermosa Upper Ismay Desert Creek Chimney Rock Akah	Entrada 619 Navajo 807 Chinle 1512 Shinarump 2380 Cutler 2605 Hermosa 4442 Upper Ismay 5395 Desert Creek 5649 Chimney Rock 5716 Akah 5739

#### 3. Pressure Control Equipment:

- a. A 3000 psi WP and 6000 psi test double gate preventer equipped with blind and pipe rams.
- b. BOP systems will be consistent with API RP 53. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout preventor controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs.

#### 4. Casing program:

Anticipated cement tops will be reported as to depth, not the expected number of sacks. The San Juan Resource Area will be notified 1 day before running casing strings and cement.

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Hole				Casing			
Size	$\underline{\mathtt{Size}}$	Depth	Weight	Grade	Thrd	Cond	Cementing Program
17-1/2	13-3/8	80	48#	H-40	ST&C	New	Redi-Mix to surface.
11	8-5/8	3,300	24 & 32#	K-55	ST&C	New	Two stage, DV tool @1500' Cement to sfc w/1500 sx "B" Lite (35/65/6) +2% CaCl <sub>2</sub> & 250 sx "B" +2% CaCl <sub>2</sub> .
7-7/8	5-1/2	5,780	15.5#	K-55	LT&C	New	Single stage, top of cmt @ 2800'. Caliper log + 40% excess. "B" Lite (35/65/6) + 1/4#/sx Flocele & Class "B" + fluid loss additive.

#### 5. Proposed drilling mud program:

A water base mud system from surface to TD. Maximum anticipated mud weight is 10#/gallon.

A mud logging unit will be on location from 3300' to TD.

#### 6. Testing program:

Lower Desert Creek - Possible Upper Ismay - Probable

#### Logging program:

Cal/GR/DLL/MSFL Base surface casing to TD (GR to surface)
Cal/GR/Sonic Base surface casing to TD (GR to surface displays)
Cal/GR/CNL/Lithoden 5200' to TD
Dipmeter: If Desert Creek indicates productive.

#### Coring program:

One 60' core planned in the Upper Ismay.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analysis, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. If requested, samples (cuttings, fluids, and/or gases) will be submitted to the District Manager.

#### 7. Anticipated abnormal BHP or BHT:

No abnormal BHP or BHT are expected in this well.

Potentially hazardous conditions anticipated:

No  $H_2S$  has been found, reported or is known to exist at these depths in this area.

#### 8. Anticipated Starting Dates and Notifications of Operations

The operator will contact the San Juan Resource Area at 801-587-2201, 48 hours before beginning any dirt work.

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the District Manager. If operations are to be suspended, prior approval of the District Manager will be obtained and notification given before resumption of operations.

The spud date will be reported orally to the San Juan Area Manager, a minimum of 24 hours before spudding. A Sundry Notice (Form 3160-5) will be sent within 24 hours after spudding, reporting the spud date and time. The Sundry will be sent to the District Manager. If the spudding is on a weekend or holiday, the Sundry will be submitted on the following regular work day.

In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 9-329 "Monthly Report of Operations," starting with the month in which operations begin and continue each month until the well is physically plugged and abandoned. This report will be sent to the BLM District Office, P. O. Box 970, Moab, Utah 84532.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported to the Resource Area in accordance with requirements of NTL-3A.

If a replacement rig is planned for completion operations, a Sundry Notice (Form 3160-5) to that effect will be filed, for prior approval of the District Manager. All conditions of this approved plan are applicable during all operations conducted with the replacement rig. In emergencies, verbal approval can be given by the District Petroleum Engineer.

If the well is successfully completed for production, then the District Manager will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than 5 business days following the date on which the well is placed on production.

No well abandonment operations will begin without the prior approval of the District Manager. In the case of newly drilled dry holes or failures, and in emergencies, oral approval will be obtained from the District Petroleum Engineer. A "Subsequent Report of Abandonment" (Form 3160-5), will be filed with the District Manager, within 30 days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration.

Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the San Juan Area Manager, or the appropriate surface manager.

Approval to vent/flare gas during initial well evaluation will be obtained from the District Office. This preliminary approval will not exceed 30 days or 50 MMCF gas. Approval to vent/flare beyond this initial test period will require District Office approval pursuant to guidelines in NTL-4A.

Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR 3162.6. The following information wil be permanently beaded-on with a welding torch: Fed, well number, location by 1/4 1/4 section, township and range, Lease number.

A first production conference will be scheduled within 15 days after receipt of the first production notice. The San Juan Area Manager will schedule the conference.

Other: A separate rig will be used for completion operations.

The following may be inspected and/or witnessed:

- 1. The cementing and testing of surface casing.
- 2. (Dry Hole) Setting and testing of surface casing shoe plug.
- 3. (Depleted Producer) The setting and testing of plugs across the producing horizon and if applicable, the surface casing shoe plug and/or annulus (casing to formation) squeeze jobs.

Notify the San Juan Resource Area (Mike Wade) one day or on dry hole as soon as possible prior to the above at (801) 587-2201 (Home) (801) 587-2026 or if unable to reach Mike, call Moab District office Greg Noble at (801) 259-6111 (Home) (801) 259-8811.

#### B. THIRTEEN POINT SURFACE USE PLAN

- 1. Existing Roads (Yellow)
  - a. Location of proposed well in relation to town or other reference point:
    6 miles east of Hatch Trading Post.
  - b. Proposed route to location. (See attached Exhibit "1").
  - c. Existing trail will be used not graded.
  - d. A one wire fence will be built around all archeological sites next to trail and well pad.

#### 2. Roads to be Constructed and Reconstructed

- a. Access road will be used as is and not upgraded for drilling.
- b. Road is centerline flagged.
- c. Surface disturbance and vehicular travel will be limited to the approved location and approved access route. Any additional area needed will be approved in advance by the San Juan Area Manager.
- d. A culvert will be required at start of access.
- 3. Location of Existing Wells (1 mile radius)
  - a. Existing wells in the area are shown on attached Exhibit "1".
- 4. Location of Existing and/or Proposed Facilities if Well is Productive

Battery facility is shown on attached Exhibit "4".

All permanent (on site for 6 months or longer) above ground facilities (including pump jacks) will be painted a flat, nonreflective, earthtone color to match the standard environmental colors, as determined by the Rocky Mountain 5-State Interagency Committee. All facilities will be painted within 6 months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The color will be Desert Brown.

All flowlines will be buried parallel to existing roads unless otherwise authorized by BLM.

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If a tank battery is constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain 1-1/2 times the storage capacity of the battery.

All loading lines will be placed inside the berm surrounding the tank battery.

All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the District Manager.

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and 500 feet dowstream of the meter un or any production facilities. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place before any deliveries. Tests for meter accuracy will be conducted monthly for the first 3 months on new meter installations and at least quarterly thereafter. The San Juan Area Manager will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the San Juan Area Manager. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

#### 5. Location and Type of Water Supply

All water needed for drilling purposes will be obtained from Benally water well, located NWNE Section 5-39S-25E.

Use of water for this operation will be approved by obtaining a temporary use permit from the Utah State Engineer, (801) 637-1303 and by receiving permission from the landowner or surface management agency to use the land containing the water source.

#### 6. Source of Construction Materials

Native soil materials from drilling location and access trail, which is available, will be used. Any additional materials needed will be hauled in from authorized commercial sources.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

#### 7. Methods for Handling Waste Disposal

The reserve pit will not be lined with commercial bentonite sufficient to prevent seepage. At lease half of the capacity will be in cut.

Three sides of the reserve pit will be fenced with four strands of barbed wire before drilling starts. The fourth side will be fenced as soon as the drilling is completed. The fence will be kept in good repair while the pit is drying.

A trash pit will be constructed near the mud tanks and dug at least six feet into solid undisturbed material. It will be totally enclosed with a fine wire mesh before the rig moves in. The road and pad will be kept litter free.

A burning permit is required for burning trash between May 1 and October 31. This can be acquired by contacting the State fire Warden, John Baker, at (801) 587-2705.

Produced waste water will be confined to a unlined pit for a period not to exceed 90 days after initial production. During the 90 day period, an application for approval of apermanent disposal method and location, along with the required water analysis, will be submitted for the District Manager's approval pursuant to Onshore Oil and Gas Order No. 3 (NTL-2B).

#### 8. Ancillary Facilities

Camp facilities will not be required.

#### 9. Well Site Layout

Rig layout, cuts and fills are shown on attached Exhibits "9" and "9.1".

The top 6 inches of soil material will be removed from the location and stockpiled on southwest side of well pad. Topsoil along the access will be reserved in place.

#### 10. Reclamation:

- a. Immediately on completion of drilling, all trash and debris will be collected from the location and surrounding area. All trash and debris will be disposed of in the trash pit and will then be compacted and buried under a minimum of two feet of compacted soil.
- b. The operator/holder or his contractor will contact the San Juan Resource Area office in Monticello, Utah, (801) 587-2201, 48 hours before starting reclamation work that involves earthmoving equipment and upon completion of restoration measures.
- c. Before any dirt work to restore the location takes place, the reserve pit must be completely dry.
- d. All disturbed areas will be recontoured to blend as nearly as possible with the natural topography. This includes removing all berms and refilling all cuts.
- e. The stockpiled topsoil will be spread evenly over the disturbed area.

  All disturbed areas will be ripped 12 inches deep with the contour.
- f. Seed will be broadcast between October 1 and February 28 as per Surface Managment stipulations. A harrow or similar implement will be dragged over the area to assure seed cover.
- g. After seeding is complete, the stockpiled trees will be scattered evenly over the disturbed areas. The access will be blocked to prevent vehicular access.
- h. The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed as described in the reclamation section. Enough topsoil will be kept to reclaim the remainder of the location at a future date. This remaining stockpile of topsoil will be seeded in place using the prescribed seed mixture.

11.	Surface	Ownership:	Navajo	Indian	
	Mineral	Ownership:	Federal		

#### 12. Other Information

There will be no change from the proposed drilling and/or workover program without prior approval from the District Manager. Safe drilling and operating practices must be used. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.2.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3164.

The dirt contractor will be provided with an approved copy of the surface use plan.

If subsurface cultural materials are exposed during construction, work in that spot will stop immediately and the San Juan Resource Area Office will be contacted. All people who are in the area will be informed by the operator/holder that they are subject to prosecution for disturbing archaeological sites or picking up artifacts. Salvage or excavation of identified archaeological sites will be done by a BLM approved archaeologist only if damage occurs.

This permit will be valid for a period of one year from the date of approval. After permit termination a new application will be filed for approval for any future operations.

Your contact with the District Office is: Greg Noble .

Office Phone: 801-259-6111 Address: P. O. Box 970, Moab, UT 84532 .

Resource Area Manager's Address and contacts: Address: P. O. Box 7, Monticello, UT 84535

Your contact is: Rich McClure Office Phone: 801-587-2201

#### 13. Lessee or Operator's Field Representative and Certification

Meridian Oil Inc.

P. O. Box 1855

Billings, Montana 59103

1.	Johnny L. Wright, Drilling Supt.	406-256-4175	406-252-2889
2.	Rick Muncrief, Area Drilling Engineer	406-256-4155	406-245-9896
3.	Barry Winstead, Sr. Drilling Engineer	406-256-4030	406-656-7521
4.	John Pulley, Drilling Manager	406-256-4124	406-259-6156

#### CERTIFICATION:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct, and, that the work associated with the operations proposed herein will be performed by Meridian Oil Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Winstead

Sr. Drilling Engineer

3-26-86 Date

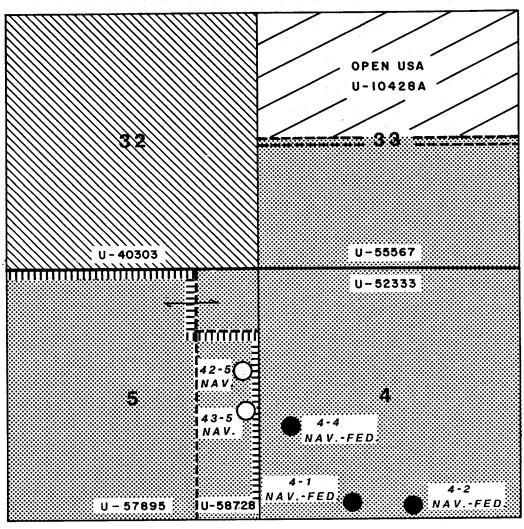
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#### **EXHIBIT A**

T 38 S

> T 39 S



#### R 25 E

#### KEY: LEASEHOLD OWNERSHIP

MERIDIAN OIL INC. - 75%, BWAB 25%

(FEDERAL SERIAL NO. U-55567)

(FEDERAL SERIAL NO. U-52333)

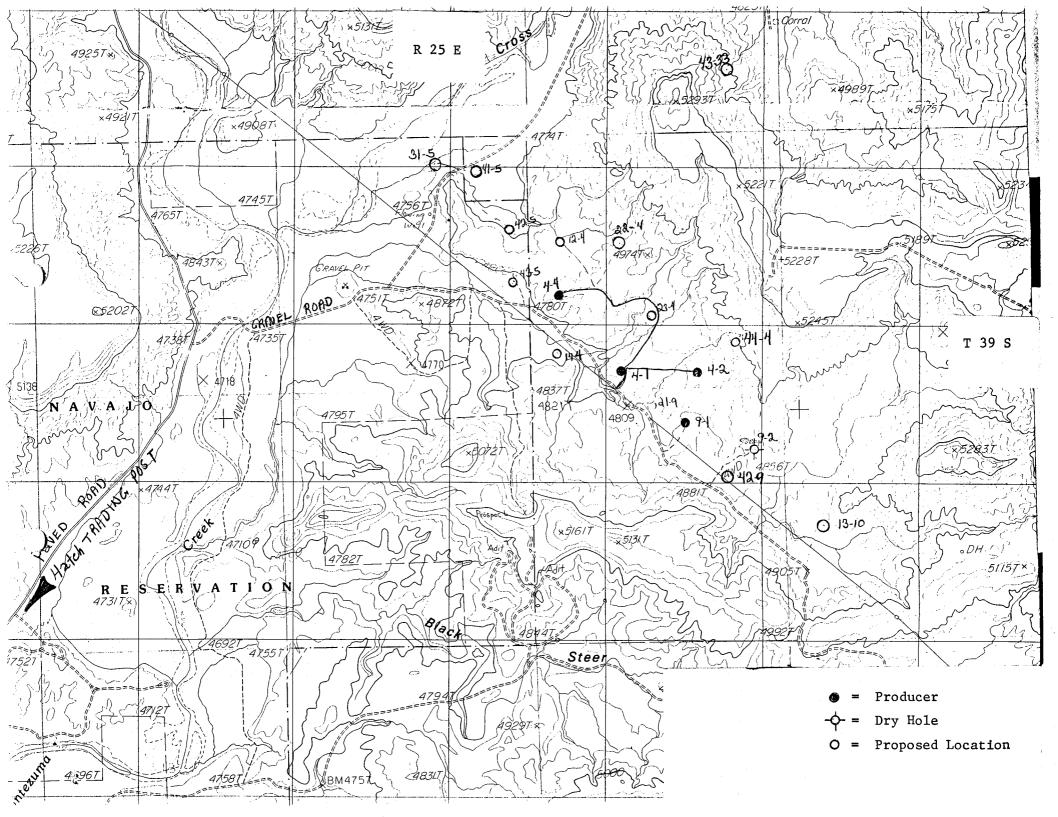
(FEDERAL SERIAL NO. U-57895)

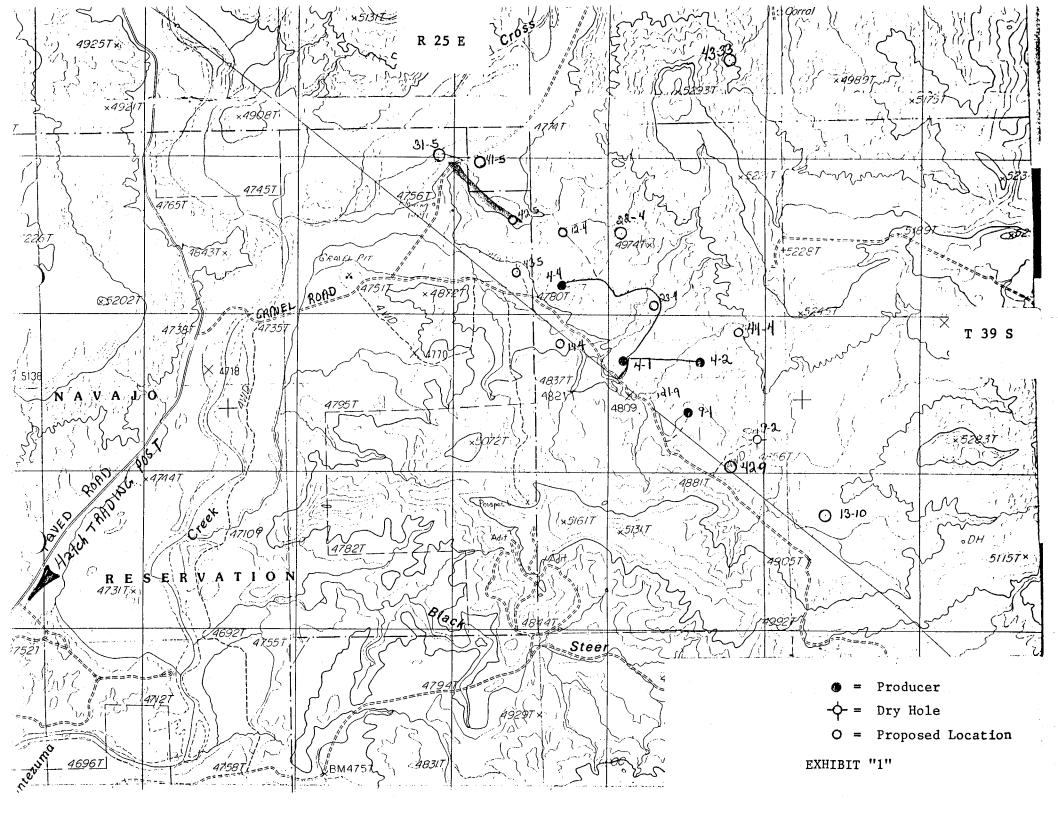
(FEDERAL SERIAL NO. U-58728)

- OPEN USA U-10428A
- MARATHON OIL COMPANY (100%)
  (FEDERAL SERIAL NO. U-40303)
- IIIII INDIAN RESERVATION (SURFACE ONLY)
- O PROPOSED LOCATION MOI. #42-5 NAV. 2130' FNL - 320' FEL
- PROPOSED LOCATION MOI. #43-5 NAV. 2290' FSL 280' FEL (FEDERAL SERIAL NO. U-58728)
- EXISTING WELL MOI. #4-1 NAV. FED. 370' FSL - 1940' FWL
- EXISTING WELL MOI. #4-2 NAV. FED. 300' FSL 2225' FEL
- EXISTING WELL MOI. #4-4 NAV. FED. 1980' FSL - 660' FWL (FEDERAL SERIAL NO. U-52333)

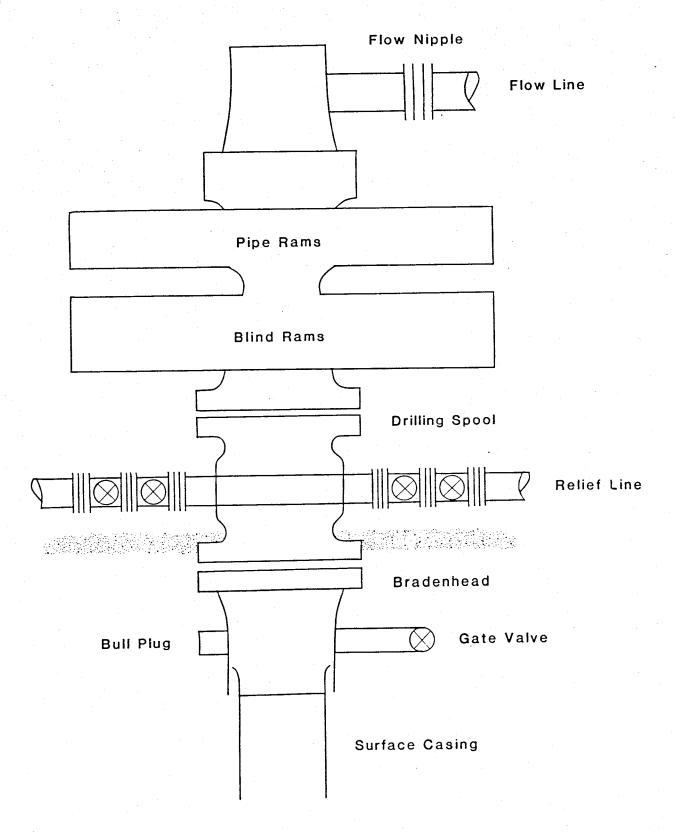
#### MERIDIAN OIL

KIVA FIELD
T 39 S, R 25 E
SAN JUAN COUNTY, UTAH
SCALE: I" = 2000'





#### TYPWAL B.O.P. INSTALLATIO



Series 900 Double Gate B.O.P., rated at 3000 psi Working Pressure.

When gas drilling operations begin a Shaffer type 50 or equivalent rotating head is installed on top of the flow nipple and the flow line is converted into a blowie line.

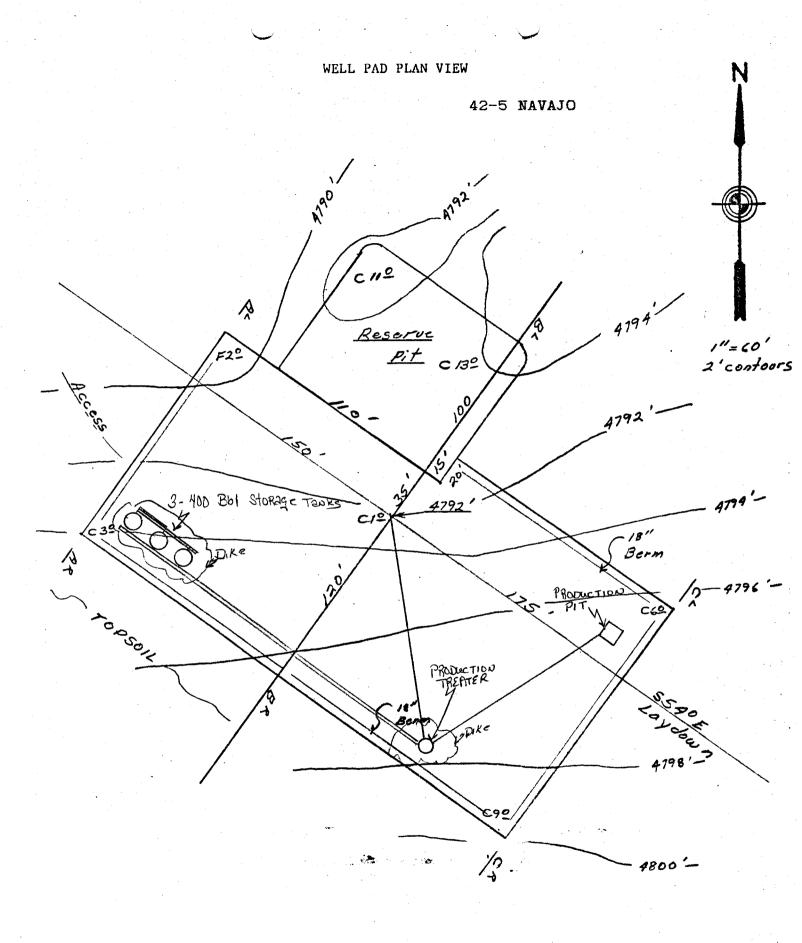
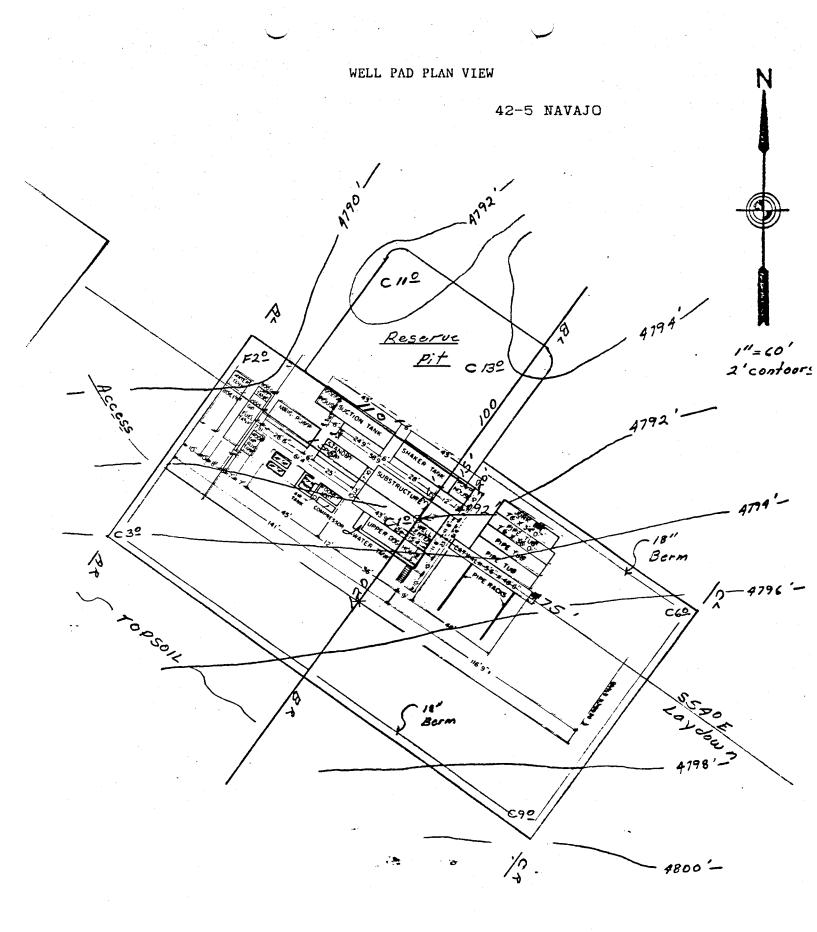


EXHIBIT "4"
Battery Layout



Scales: 1" = 60' H. Cut ////
Fill ?= ? 1"=30' V. 30' 01. CR <u>c</u> -301 30. 18"berm 4791 0'. BR BL 30' 30' 0' 4791'

AL

EXHIBIT "9.1"

and the control of th

30'

AR

#### MERIDIAN OIL

April 3, 1986

State of Utah Natural Resources Oil, Gas and Mining 355 W. North Temple 3 Triad Center, Suite 350 Salt Lake City, Utah 84180-1203

Attention: Arlene Sollis

Request for Exception Locations

Section 5-39S-25E San Juan County, Utah



DIVISION OF OIL, GAS & MINING

#### Gentlemen:

Re:

Meridian Oil Inc. requests the approval to drill two unorthodox locations in Section 5-39S-25E of San Juan County, Utah. The 42-5 Navajo location is staked 2130' FNL - 320' FEL and the 43-5 Navajo location is staked 2290' FSL - 280' FEL.

A lease ownership plat is attached as Exhibit "A". Meridian Oil Inc. owns 75% of the oil and gas leasehold working interest (Leases U-58728, U-52333 and U-57895) within a 660' radius of the proposed exception locations. BWAB Inc. owns the remaining 25% interest in Leases U-58728, U-52333 and U-57895 and is participating in the drilling of these wells. BWAB Inc. has been notified and is in agreement with these locations. No other offset owners are required to be notified since the offset acreage is owned by Meridian and BWAB Inc.

These exception locations are requested due to topographical reasons as per attached map.

Thank you for your consideration.

Sincerely,

Suzann & Nelson

Sr. Operations Technician

Attachments

ssn

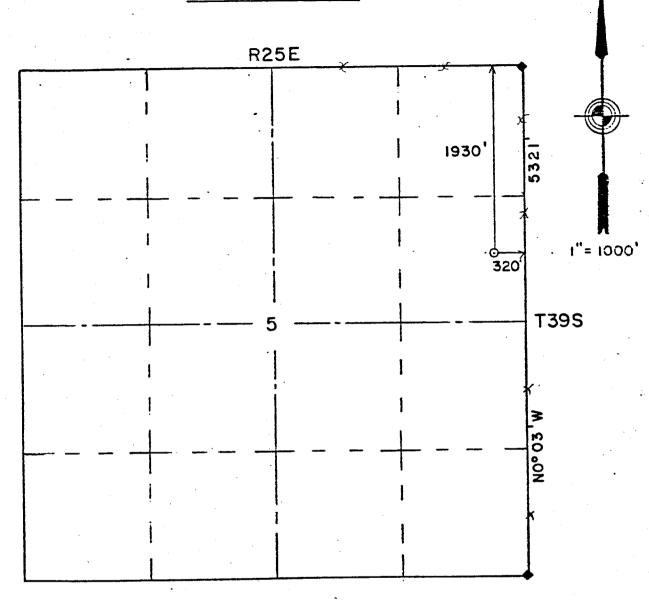
cc: BWAB Inc. - Denver, CO

Cindy Crawley, Bill Mitchell - Meridian Oil, Denver District

1175N

				. 1	r'orm approved Budget Bureau	No. 1004-0135
Form 3150-5 (15)vember 1983)	UNIT	つ STATES -	Other instruction	LICATE	Expires Augus 5. LEASE DESIGNATION	t 31, 1985
(Fearmerly 9-331)		JE THE INTERIO	OK AGERG BIGG)	- Charles	U-58728	AND SERIAL NO.
		AND MANAGEMENT			6. IF INDIAN, ALLOTTE	E OR TRIBE NAME
SUI	NDRY NOTICES A	AND REPORTS C	N WELLS	J.	<b>N</b>	=
(Do not use thi	s form for proposals to dri Use "APPLICATION FO	R PERMIT—" for such pro	oposais.)		Navajo	·
I					7. UNIT AGREEMENT N	YME
WELL X GAS WELL	OTHER				8. FARM OR LEASE NA	W.F.
2. NAME OF OPERATOR MERIDIAN	OTI TNC			1	Navajo	
3. ADDRESS OF OPERAT					9. WELL NO.	
	1855, Billings,	MT 59103			42-5	
4. LOCATION OF WELL ( See also space 17 be	Report location clearly and	in accordance with any	State requirements.*		10. FIELD AND POOL,	OR WILDCAT
	E (2130' FNL - 3	320' FEL)			Kiva	
	_ (				11. SEC., T., R., M., OR BURYEY OR ARE	
					Section 5-3	9S-25E
14. PERMIT NO.	15. ELE	EVATIONS (Show whether DF,	RT, GR, etc.)		12. COUNTY OR PARIS	
		4800' GL (gra	ded)		San Juan	Utah
10		. D. T. I. I N		0	ah Data	
16.		te Box To Indicate N	ainte of 14011ce, Keb			
	NOTICE OF INTENTION TO:			BURREGO	ENT REPORT OF:	
TEST WATER SHUT	OFF PULL OR	ALTER CASING	WATER SHUT-OFF		REPAIRING	
FRACTURE TREAT		COMPLETE	FRACTURE TREATM	ļ ——	ALTERING ABANDONM	1
SHOOT OR ACIDIZE	ABANDON*	V	shooting or action		ise Number Cha	
REPAIR WELL (Other)	L	24110	(Note: Rep	ort results	of multiple completion etion Report and Log f	on Well
17. DESCRIBE PROPOSED proposed work, nent to this work.	OR COMPLETED OPERATIONS If well is directionally dri	(Clearly state all pertinent lled, give subsurface locat	details, and give perticions and measured and t	ient dates, rue vertica	including estimated da l depths for all marke	ite of starting any
Location geology,	was originally s resurveyed locat	staked 1930' FNI tion 200' south	- 320' FEL. (2130' FNL - 3	Due to 20' FEI	topography and.).	nd
Attached	are revised surv	vey plats, locat	ion layouts an	d cross	s-sections.	
	lcation for Perm ber U-57895.	it to Drill was	originally fil	ed unde	er incorrect F	Federal
Please ch number of	nange the Permit acres in lease	on file to read should read 120	l Lease Number ) acres.	บ–58728	3. The revise	ed total
	•					
•						
		•				
18. I hereby certify the	at the foregoing is true an		Operations Tec	hnicia	n DATE 4	3/86
	deral or State office use)					
( Two abace tor Le						

#### WELL LOCATION PLAT



WELL LOCATION DESCRIPTION:

REFERENCES:

MERIDIAN OIL
42-5 NAVAJO
1930'FN & 320'FE
SECTION 5, T39S, R25E, SLM
SAN JUAN COUNTY, UTAH
GROUND ELEVATION 4792'

200' SOUTH 4800'

200' NORTH 4788'

13 MARCH 1986

The above plat is true and correct the chast of my knowledge and belief.

Gerand Mo. 5705 gron
Land Hedrieston

072000

# COMFIDENTIAL

OPERATOR Meridian Oil	e ha	DATE_	4-8-86
WELL NAME Marajo Jul 42-5			/ 
NELL NAME Marajo 3142-5 SEC SENE 5 T 395	R <u>25E</u> CI	OUNTY _	an Juan
43-037-31261 API NUMBER		Fesl TYPE OF L	EASE
CHECK OFF:			
PLAT	BOND		✓ NEAREST WELL
LEASE	FIELD		POTASH OR OIL SHALE
PROCESSING COMMENTS:  No other well with	un 920'		
need water permit			
Mo other will with Med water permit Exception requested			
APPROVAL LETTER:			
SPACING: 203UNIT		3	02
CAUSE NO.	& DATE	✓ 3	02.1
STIPULATIONS:			
		,	٤



355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

April 21, 1986

Meridian Oil Incorporated P. O. Box 1855 Billings, Montana 59103

#### Gentlemen:

Re: Well Name: Navajo Federal 42-5 - SE NE Sec. 5, T. 39S, R. 25E 2130' FNL, 320' FEL - San Juan County, Utah

Approval to drill the referenced well is hereby granted in accordance with Rule 302.1, Oil and Gas Conservation General Rules, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water as required by Chapter 3, Title 73, Utah Code Annotated.

In addition, the following actions are necessary to fully comply with this approval:

- 1. Spudding notification to the Division within 24 hours after drilling operations commence.
- 2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
- 3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or R. J. Firth, Associate Director, (Home) 571-6068.
- 4. Compliance with the requirements and regulations of Rule 311.3, Associated Gas Flaring, Oil and Gas Conservation General Rules.

Page 2

Meridian Oil Incorporated

Well Name: Navajo Federal 42-5

April 21, 1986

- 5. Prior to commencement of the proposed drilling operations, plans for toilet facilities and the disposal of sanitary waste at each drill site shall be submitted to the local health department having jurisdiction. Any such drilling operations and any subsequent well operations must be conducted in accordance with applicable State and local health department regulations. A list of all local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 533-6163.
- 6. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-037-31261.

Sincerely,

Ssociate Director, Oil & Gas

as
Enclosures
cc: Branch of Fluid Minerals
D. R. Nielson

8159T

No. on the second section is a second				Form approved.	1004 0135
Form 3160-5	UNITE	STATES	SUBMIT IN TRIPLICA	Budget Bureau N Expires August 3	
(November 1983) (Formerly 9—331)		OF THE INTER	IOR (Other loatructions on verse side)	5. LEASE DESIGNATION A	ND SERIAL NO.
(1 0/mg/1) 9=-051)		AND MANAGEMEN		U-58728	
				U. IF INDIAN, ALLOTTEE	OR TRIBE NAME
SUI	NDRY NOTICES A	AND REPORTS	ON WELLS	Navajo	
(Do not use thi	s form for proposals to dr Use "APPLICATION FO	ill or to deepen or plug RPERMIT—" for such 3	back to a different reservoir.	Navago	
1.				7. UNIT AGRECMENT NAM	( X
OIL (7) CAS	ОТНЕА				
2. NAME OF OPERATOR	C) Olkea			8. FARM OR LEASE NAME	E
MERIDIAN OI	TNC	ta 2	MAY 1 9 1986 💆	Navajo	
3. ADDRESS OF OPERAT				9. WELL NO.	
		rr 59103	DIVISION OF	42-5	
P. U. BOX 1	855, Billings, M	d in accordance with any	State requirements. WINING	10. FIELD AND POOL, OR	WILDCAT
See also space 17 be At surface	elow.)			Kiva	
At surface	SENE (1930' FN	וו - 320 י דעד /		11. SMC., T., R., M., OR BI	LK, AND
	SENE (1930 FN	L - 320 FEL)		SURVEY OR ARMA	
				Section 5-39	95-25F
14. PERMIT NO.	15. EL	EVATIONS (Show whether D	F. RT. GR. etc.)	12. COUNTY OR PARISO	13. STATE
		4791' GL (gr		San Juan	Utah
43-037-3126	1 1	4/91 GL (gr	aded)	1 Sall Suall	, Otali
16.	Check Approprie	ate Box To Indicate I	Nature of Notice, Report, o	or Other Data	
	NOTICE OF INTENTION TO:	:	1 80B	SEQUENT REPORT OF: -	
		. []			
TEST WATER SHUT		ALTER CASING	WATER SHUT-OFF	BEPAIRING W	I(
FRACTURE TREAT		E COMPLETE	FRACTURE TREATMENT	ALTERING CA	11
SHOUT OF ACIDIZE	ABANDON		SHOOTING OR ACIDIZING	ABANDONMEN	
REPAIR WILL	CHANGE	PLANS X	(Other)	sults of maltiple completion	on Weil
(Other)			Completion or Rec	ompletion Report and Log for	'm.)
17. DESCRIVE PROPOSED proposed work. nent to this work	If well is directionally dr	(Clearly state all pertine illed, give subsurface loc	out details, and give perticent disations and measured and true ve	ates, including estimated date ritical depths for all markers	and somes perti-
hole to	a depth of 3300'	. If the salt	2-5 Navajo well to d water flow (est @ 3 tered by 3300', Meri	030') in the	
the 8-5/	8" surface casin	ng off bottom a	t $\pm 1600$ ' and cement	by the single-sta	ıg e
method c	irculating cemer	it to surface.	A basket cementing	shoe assembly	
			r cementing in this		
bottom o	f the 8-5/8" cas	sing. The prop	osed method would be	used only in the	<u> </u>
absence	of the salt wate	er flow and wou	ld protect surface f	resh water sands	at
the alte	rnate setting de	epth of +1600'.	If 8-5/8" surface	casing is set off	<b>:</b>
bottom,	the 5-1/2" produ	uction casing w	ill be set at TD and	I cemented by the	
two-stag	e method with a	stage collar p	laced at <u>+</u> 3500'. Th	ie proposed second	i
stage TO	C would be +1200	)'. In the eve	nt the salt water fl	low is encountered	1,
surface	and production of	casing will be	set and cemented as	originally permit	ited.
					•
		•			
		$\mathcal{A}^{\mathcal{F}} = \mathcal{B}$			
				er and and extra	
	L.A.A	nd asses			
13. 1 dereby certify b	hat the foregoing is true a		namalaum Basisas A		/15/86
SIGNED	. Amold Ma	TITLE_	Petroleum Engineer	DATE	13/86
(This space for F	Pederal or State office use)				O-F- A -F-
		•	AC	CEPTED BY THE	SIAIL
APPROVED BY .	APPROVAL, IF ANY:	TITLE		TETITAH DIVISIO	IN UI
	•		Č	IL, GAS, AND M	INING
Federal approva	of this action				
	re commencian	*San Instrumen	ons on Reverse Side	E/-15-23-86	- 4 0

operations.

### Bureau of Indian Affairs Surface Management Stipulations To Be Included in APD

Company Muidian Oil		
Well# H2-S (2130 FN/L 32.0 FGL) Date of Inspection 3	[V]	STIPULATIONS CHECKED
Provided by Carlos Spinzar		APPLY

 All above ground structures and equipment will be painted with the following non-glare color.

Brown	Fed.	Standard	595a - 30318
Green	Fed.	Standard	595a - 34127
Gray	Fed.	Standard	595a - 36357
✓ Sand		Standard	595a - 30277
Mobil	Beige 12-F-38		

2. Compacted areas will be plowed or ripped to a depth of 12 to 16 inches before reseeding. Seed will be drilled to a depth of .5 to .75 inch or broadcast and followed by a drag or packer. If broadcast, the recommended seed mix will be applied at 150% of the recommended rate. The following seed mix will be used.

SPECIES	lbs./acre/PLS
Crested Wheatgrass	. 3
Slender Wheatgrass	•
Smooth Brome	•
urchardgrass	•
Yellow Sweetclover	
Saintoin	
Western Wheatgrass	•
Sand Dropseed	•
Alkali Sacaton	
Indian Ricegrass	. 2
Galleta	•
Needle-N-Thread	•
Squirrel tail	
Side Dats Grama	•
Four-Wing Saltbush	. 2
Shadscale	
Cliffrose	•
Antelope Bitterbrush	•
Timothy	•
Winter-Fat	•

(Purity x Germination = PLS)

- 3. The top <u>10</u> inches of soil will be salvaged, stockpiled, and stabilized on the "L" corner of the well pad and reserve pit for use in revegetating the site.
- 4. Upon abandonment, the well pad will be fenced with a standard five-strand barb wire fence, or equivalent and will have no gates. The fence will be maintained for two years to allow for seeding establishment and will then be removed.

5. Access roads not needed for through traffic will be barricaded and reseeded in accordance with #2. Water bars will be constructed to the following specifications.

% Slope	Slope Distance
Less than 1%	300 feet
1% - 5%	200 feet
5% - 15%	100 feet
Greater than 15%	50 feet

- 6. An earthen berm (18 inches/feet high) will be constructed around the perimeter of the well pad, except on the high/cut side of the well pad.
- 7. \_\_\_The reserve pit will be lined to prevent seepage from occurring.
- 8. The reserve pit will be constructed long and narrow ( $\underline{x}$  feet) so that the pit can be accommodated and any potential hazards reduced or eliminated.
- 9. Immediately following drilling, the fluids of the reserve pit will be pumped and disposed of per BLM instructions. A sundry notice for this action is required by BLM.
- 10. Diversion ditch (es) will be constructed on the July side of the well pad above/below (circle one) the cut slope diverting any runoff to the west.
- 11. \_\_\_The wash (es) will be diverted around the \_\_\_ side of the well pad.
- 12. <u>Culvert(s)</u> of sufficient size will be placed on all drainage crossings of the access road determined necessary during the on-site inspection.
- 13. No production flowlines nor gas sales lines will be constructed until their right-of-ways/easements are inspected and approved by the surface management agency.
- 14. Any flowline (s) (surface/subsurface) will be constructed paralleling new and existing road right-of-ways, except
- 15. The top \_\_inches of soil of any subsurface flowline constructed will be rolled/scraped to one side of the bladed line and will be disturbed as little as possible during the actual construction. Immediately following installation, the roll of topsoil salvaged will be redistributed over the bladed line and will be reseeded in accordance with item# 2. In addition to this, all areas disturbed (including the replaced topsoil) will be imprinted with a land imprinter or sheep's foot type roller to create a pattern of small depressions to enhance vegetative regrowth. All drainages crossed by these line (s) will be restored, as near as possible, to their original form. Water bars will be constructed in accordance with item# 5.
- 16. Fence (s) crossed by the access road will be braced and tied off before cutting of the wires to prevent slackening of the fencelines. Both a gate and cattleguard which must be BIA approved will be installed.

- 17.  $\nu$ Storage tank (s) installed on the location will be surrounded by a dike of sufficient capacity to contain  $l_2^{\frac{1}{2}}$  times the storage capacity of the tank (s).
- 18. The stipulations set forth in the archeological clearance letter dated 6/25/84 will be strictly adhered to. Clearance No. BIA-NIBO-LPAC-84-074
- 19. Upon abandonment, all material brought in to plate the surface of the well pad and/or the access road will be cleaned up and disposed of prior to reseeding.
- 20. The construction work conducted at this location will need to be inspected before the drill rig is moved on the location.

ALL CHANGES/DEVIATIONS MADE FROM THE APPROVED APD MUST BE CLEARED AND APPROVED BY THE SURFACE MANAGEMENT AGENCY. THE SURFACE MANAGEMENT AGENCY CAN BE CONTACTED AT (505) 368-4316.

#### OTHER:

- D Water use Permit must be obtained from water Resources of the Navajo Tribe in Terchospos, Arizona before Tribal waters can be used for drilling or any other purpose.
- 2) Reclamation will be in accordance with BIA requirements.
- 3) Woven wire instead of bank-wire will be used around the reserve pit.
- H) Both the "AR and C2" corners will be rounded to minimize the Amount of cut.

Form approved. Budget Bureau No. 1004-0135

(November 1983)	TED STATES	SUBMIT IN TRIPLICATE*	Expires August 3 5. LEASE DESIGNATION AND ADDRESS OF THE PROPERTY OF THE PROPE	
(Formerly 9–331) DEPARIMEN	LAND MANAGEMENT	OR Verse side 171707	U-58728	ED BERIAL NO.
			6. IF INDIAN, ALLOTTEE C	R TRIBE NAME
SUNDRY NOTICES (Do not use this form for proposals to Use "APPLICATION")	drill or to deepen or plug be	JIN VYELLS ack to a different reservoir.	Navajo	
	FOR PERMIT—" for such pro	oposals.)	7. UNIT AGREEMENT NAM	
OIL X GAS OTHER		•		-
2. NAME OF OPERATOR			8. FARM OR LEASE NAME	
MERIDIAN OIL INC.			Navajo	
3. ADDRESS OF OPERATOR			9. WELL NO.	
P. O. Box 1855, Billings, 1	MT 59103	State requirements.*	42-5 10. FIELD AND POOL, OR	WILDCAT
See also space 17 below.) At surface	•		Kiva	
SENE (1930' FNL - 320'	FEL)		11. SEC., T., B., M., OR BLI SURVEY OR AREA	C. AND
·	•		Section 5-39	S_25F
14. PERMIT NO.   15.	ELEVATIONS (Show whether DF,	PT CP ata	12. COUNTY OR PARISH	
43-037-31261	4791' GL (grad		San Juan	Utah
16. Check Appropr	iate Box To Indicate N	ature of Notice, Report, or C	Other Data	
NOTICE OF INTENTION TO	): 	BUBBEQU	CENT REPORT OF:	
TEST WATER SHUT-OFF PULL OF	R ALTER CASING	WATER SHUT-OFF	REPAIRING WE	LL
<del></del>	LE COMPLETE	FRACTURE TREATMENT	ALTERING CAS	[]
SHOOT OR ACIDIZE ABANDO REPAIR WELL CHANGE	.	SHOOTING OR ACIDIZING (Other)	ABANDONMENT	•
(Other)	110000	(Note: Report results	of multiple completion on letion Report and Log form	Well
17. DESCRIBE PROPOSED OR COMPLETED OPERATION proposed work. If well is directionally d	s (Clearly state all pertinent irilled, give subsurface locati	details, and give pertinent dates,	including estimated date	of starting an
nent to this work.) *				_
Meridian Oil Inc. has perm at a depth of 80'.	itted the 42-5 Na	vajo well to set the	13-3/8" casing	
		c 1/01		
The 13-3/8" casing will be	set at a depth o	i 140°.		
			And the second s	TI (\ 81
		1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	SHOULD INFORM	MATION
			The second secon	
		J. 2 1 - 2 1	,	
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		•		
18. ! hereby certify that the foregoing is true	apa correct			· · · · · · · · · · · · · · · · · · ·
SIGNED a. anold Mal	TITLE Pet	roleum Engineer		86
			DAIH	
(This space for Federal or State office use)				CTATE
APPROVED BY	TITLE	ACC	EPTED BY THE	DIAIL

Federal approval of this action is required before commencing operations.

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

ACCEPTED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any maker within its jurisdiction.

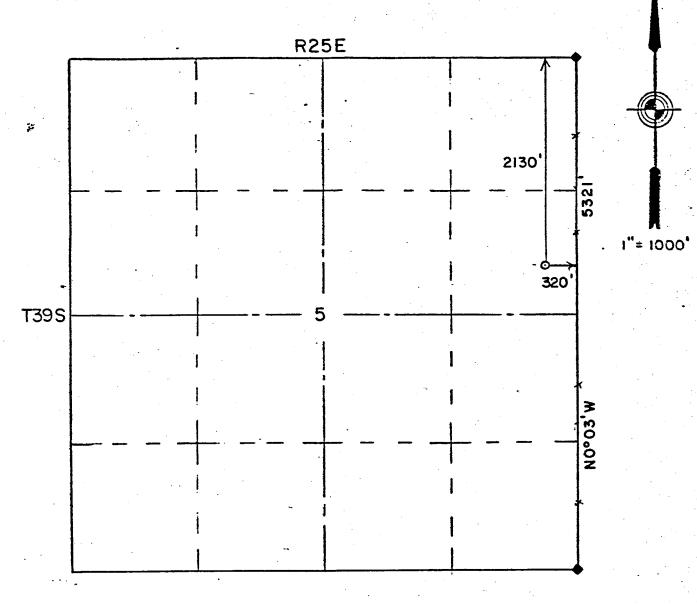
Form 3160-5 UN	IITED STATES SUBMIT IN TRIPLICATE (Other instructions N )F THE INTERIOR verse side)	Dudyel Dureau vo. 1004_0145
	DE LAND MANAGEMENT 090901	
CHAIDDY MOTICE	S AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
(Do not use this form for proposals t	to drill or to deepen or plug back to a different reservoir.  N FOR PERMIT—" for such proposals.)	Navajo
1.		7. UNIT AGREEMENT NAME
OIL X GAS OTHER		
2. NAME OF OPERATOR		8. FARM OR LEASE NAME
MERIDIAN OIL INC.		Navajo
3. ADDRESS OF OPERATOR D. O. Port 1955 Pd111in	ngs. MT 59103	9. WELL NO. 42-5
P. O. Box 1855, Billin	ly and in accordance with any State requirements.*	10. FIELD AND POOL, OR WILDCAT
See also space 17 below.)	•	Kiva
SENE (2130' FNL	- 320' FEL)	11. SEC., T., B., M., OR BLK. AND
		SURVEY OR AREA
		Section 5-39S-25E
14. PERMIT NO.	5. ELEVATIONS (Show whether DF, RT, GR, etc.)	12. COUNTY OR PARISH 13. STATE
43.037.31161	4800' GL (graded)	San Juan Utah
16. Chark Amero	ppriate Box To Indicate Nature of Notice, Report, o	r Other Data
NOTICE OF INTENTION		SEQUENT REPORT OF:
AUTICE OF TATEATION	3088	SEQUENT REPORT OF:
TEST WATER SHUT-OFF PULL	OR ALTER CASING WATER SHUT-OFF	REPAIRING WELL
	FIPLE COMPLETE FRACTURE TREATMENT	ALTERING CASING
<del></del>	SECON*  SHOOTING OR ACIDIZING  (Other) Federal	Lease Number Change X
<del></del>	(Note: Report rest	uits of multiple completion on Well
(Other)	Completion or Reco	mapletion Report and Log form.)
geology, resurveyed lo  Attached are revised s  The Application for Pe Lease Number U-57895.  Please change the Perm	ly staked 1930' FNL - 320' FEL. Due ocation 200' south (2130' FNL - 320' south (2130' FNL - 320' sourvey plats, location layouts and crearmit to Drill was originally filed unnit on file to read Lease Number U-58	FEL). oss-sections. nder incorrect Federal
number of acres in lea	ase should read 120 acres.	7 <b>5</b> M
	SEP 0 5 198	
	DIVISIONO	)F
	OIL, GAS & MIN	
18. I hereby certify that the foregoing is tru	e and correct	
SIGNED SURVEY NO	TITLE Sr. Operations Technic	ian DATE 4/3/86
(This space for Federal or State office us APPROVED BY	TITLE Acting DISTRICT MANAGER	SEP 0 4 1986
CONDITIONS OF APPROVAL, IF ANY:		
	CONDITIONS OF APPROVAL ATTA	CHED

FLARING OR VENTING OF GAS IS SUBJECT OF NTL 4-A DATED 1/1/80

\*See Instructions on Reverse Side

SUBJECT TO RIGHT OF WAY





Land

WELL LOCATION DESCRIPTION:

MERIDIAN OIL
42-5 NAVAJO
2130'FN & 320'FE
SECTION 5, T39S, R25E, SLM
SAN JUAN COUNTY, UTAH
GROUND ELEVATION 4800'

REFERENCES:

ALTERNATE

1930'FN & 320'FE 4792' GRD.

30 MARCH 1986

The above plat is true and correct knowledge and belief.

Mo. 6705 of my General Strong

SUNDRY NOTICES AND REPORTS ON WELLS  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  OIL WELL OTHER  MERIDIAN OIL INC.  SUNDRY NOTICES AND REPORTS ON WELLS  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  OIL WELL OTHER  Expires August 31, 1985  5. Lease Designation and Serial no.  Navajo  7. Unit agreement name  7. Unit agreement name  8. FARM OR LEASE NAME  Navajo									
BURAL OF LAND MANAGEMENT 092314  SUNDRY NOTICES AND REPORTS ON WELLS  (Do not use this fore for proposalist to dell or to deepe or plug back to a different reservoir.  OIL AND ARR OF OFFICE OR THE PROPERTY OF SERVICE OF	Form 3160-5 (November 1983)				/Ωeha= Inat-	TRIPLICA'	TE• Bu	idget Bureau pires Augus	No. 1004-013 t 31, 1985
SUNDRY NOTICES AND REPORTS ON WELL  ODE APPLICATION FOR PERMIT— for such proposals, a different reservoir.  OUL SEARCH OF PERMIT— for such proposals, a different reservoir.  OUL SEARCH OF THE SEARCH OF THE SEARCH OF SEARCH PROPOSALS, A different reservoir.  NAVAJO  ADMERS OF OPERITOR  MRRIDIAN OIL INC.  ADMERS OF OPERITOR  P. O. BOX 1855, Billings, MT 59103  ALCOHOMO SEARCH OF SEARCH OF SEARCH PROPOSALS AS A SUMMER OF SEARCH SEARCH OF SEARCH SEAR	(Formerly 9-331)				UK verse side)	2314	5. LEAS	E DESIGNATION	AND SERIAL NO.
(Do not use this form for proposals to delli or to deepen or plug back to a different reservoir.    Comparison	CHAID	DRY NOT	ICES AND B	EPORTS (	ON WELLS		6. IF IN	DIAN, ALLOTTE	E OR TRIBE NAM
OTE WALL OTHER  NAME OF CREATOR  MERIDIAN OIL INC.  ADDRESS OF OFFEATOR  P. O. BOX 1855, Billings, MT 59103  LICELING OF WALL (Fleet) location clearly and in accordance with any State requirements.*  SENE (2130' FNL - 320' FEL)  Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data  NOTICE OF INVESTIGAT TO:  SCUBBOOTHY OF PARISH 13. STATE  SAN JUAN  SUBJECT OF ANDRESS  SET TEST WATER SHUT-OFF  FRATTURE TREATMY TO:  SCUBBOOTHY TREATMY						eservoir.	Nav	ajo	
MERIDIAN OIL INC.  ADDRESS OF OFERATOR  P. O. BOX 1855, Billings, MT 59103  LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*  See Also space 17 felow)  SEENE (2130' FNL - 320' FEL)  SEENE (2130' FNL - 320' FEL)  SEENE (2130' FNL - 320' FEL)  THE SECOND OF ACTION OF STATE AND OF STATE CASINO OF STATE SANDON'S ADDRESS OF INTENTION TO:  THE WATER SHUT-OFF PLL OR ALTER CASINO OF INTENTION TO:  THE WATER SHUT-OFF PLL OR ALTER CASINO OF STATE CASINO OF STATE SHUT OF		OTHER			**************************************		7. UNIT	AGREEMENT N	AME
ADDIAGO OF OFERSTOR  P. O. BOX 1855, Billings, MT 59103  LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*  LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*  At surface.  SENE (2130' FNL - 320' FEL)  SENE (2130' FNL - 320' FEL)  15. REVATIONS (Show whether SP, RT, GR, etc.)  43-037-31261  Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data  SOURCE OF INTINION TO:  SOURCE OF INTINION TO:  TEST WATER SHUP-OFF  PARTURE TREAT  SHUPLOF ARABON.*  CHANGE FLANS  (Other)  Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data  SOURCE OF INTINION TO:  WATER SHUP-OFF  PRACTURE TREAT  SHOUL OF ACIDIZE  ARABON.*  COMMITTE COUNTIES OF INTINION TO:  WATER SHUP-OFF  PRACTURE TREAT  SHOUL OF ACIDIZE  ARABON.*  COMMITTE SPOUNDED OR COUNTIESTS OFFRATORS (Clearly state all pertinent details, and give pertinent dates, including settinated date of stating an next to this work.).*  Exeter, Rig #68 spudded well @ 1:00 AM September 16, 1986.  DIVISION OF	2. NAME OF OPERATOR	VIII-					8. FARM	OR LEASE NA	ME
P. O. Box 1855, Billings, MT 59103  LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*  At surface  SENE (2130' FNL - 320' FEL)  SENE (2130' FNL - 320' FNL - 320' FEL)  SENE (2130' FNL - 320' FNL - 320' FEL)  SENE (2130' FNL - 320' FNL -	MERIDIAN OII	L INC.					Nava	ajo	
Location of wall. (Report location clearly and in accordance with any State requirements.*  SENE (2130' FNL - 320' FEL)  SECTION 5-398-25E  12, COUNTY OR PARIEN 13. SELTA SAN JUAN UITAB  OCHICLE OF INTERVION TO:  SUBSEQUENT REPORT OF:  SUBSEQUENT REPORT OF:  SUBSEQUENT REPORT OF:  SUBSEQUENT REPAIRING WELL  ANABON'  SPUCK REPORT REPAIRING WELL  (Other)  Company of Activities of Multiple completion on Well  (Other)  SPUCK REPORT REPAIRING ANABONEMENT X  (Other)  Company of Activities of Multiple completion on Well  (Other)  Company of Activities of Multiple completion on Well  (Other)  SPUCK REPAIRING CONTRACTOR Clearly state all pertinent details, and give pertinent dates, including estimated date of facting as proposed work. If well is directionally drilled, give subsurface locations and mensured and true vertical depths for all markers and spokes pert  Exeter, Rig #68 spudded well @ 1:00 AM September 16, 1986.  DIVISION OF	3. ADDRESS OF OPERATOR						9. WBLI	NO.	
See Also space 17 below.)  At surface  SENE (2130' FNL - 320' FEL)  SENE (2130' FNL - 320' FEL)  11. SEC., L. M., OR BLE. AND SCRIPTOR ARAS  Section 5-39S-25E  4. PERMIT NO. 43-037-31261  15. ELEVATIONS (Show whether DF, RT, GR, etc.) 47-01' GL  Section 5-39S-25E  12. COUNTY OR PARISH; 13. STATE SAN Juan Utah  Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data  NOTICE OF INTENTION TO:  SCHEROGER REPORT OF:  WATER SHUT-OFF PRACTURE TREATMENT ALTERING CASING SHOUT OF ACIDIZES ARANDON' SHOUTH OR ACIDIZING SHOUT OF ACIDIZING (Other)  CHANGE PLANS (Other)  ARANDON'S  AR					51.4.				
SENE (2130' FNL - 320' FEL)  SENE (2130' FNL - 320' FEL)  11. SEC. T. R., M., ON BLE. AND Selver of Ada.  Section 5-395-25E  12. COUNT OF PARISH 13. STATE San Juan  Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data  NOTICE OF INTENTION TO:  TEST WATER SHUT-OFF PRACTURE TREAT SHOOT OF ACIDIZE REPAIR WELL CHANGE PLANS CHANGE PLANS CHANGE PLANS COMPLETE OF SPATTOR CASINO OTHER SHUT-OFF PRACTURE TREATMENT ALTERING CASINO ABANDON' REPAIR WELL COMPLETE CHANGE PLANS COMPLETE OF CONFLETE OF STATIONE (Clearly state all pertiaent details, and give pertinent dates, including estimated date of starting an proposed or Notice of Spatting and measured and true vertical depths for all markers and sones pert  Exeter, Rig #68 spudded well @ 1:00 AM September 16, 1986.  DIVISION OF	See also space 17 belo-	w.)	learly and in accord	dance with any	State requirements.	•		•	R WILDCAT
Section 5-39S-25E  4. PERMIT NO. 43-037-31261  15. ELEVATIONS (Show whether Dr. RT. GR. etc.)  4. Appropriate Box To Indicate Nature of Notice, Report, or Other Data  NOTICE OF INTENTION TO:  SUBSEQUENT ERFORT OF:  WATER SHUT-OFF PRACTURE TREAT SHOULD OR ALTER CASING MULTIFLE COMPLETE ARABODA*  (Other)  TREAT WATER SHUT-OFF PRACTURE TREAT SHOULD OR ALTERING CASING ARABODA*  (Other)  TREAT WATER SHUT-OFF PRACTURE TREAT SHOULD OR ALTERING CASING ARABODA*  (Other)  TREAT WATER SHUT-OFF PRACTURE TREAT SHOULD OR ALTERING CASING ARABODA*  (Other)  TREAT WATER SHUT-OFF PRACTURE TREAT SHOULD OR ALTERING CASING ARABODA*  (Other)  TREAT WATER SHUT-OFF PRACTURE TREAT SHOULD OR ALTERING CASING ARABODA*  (Other)  TREAT WATER SHUT-OFF PRACTURE TREAT SHOULD OR ALTERING CASING ARABODA*  (Other)  TREAT WATER SHUT-OFF PRACTURE TREAT SHOULD OR ALTERING CASING ARABODA*  (Other)  TREAT WATER SHUT-OFF PRACTURE TREAT SHOULD OR ALTERING CASING ARABODA*  (Other)  TREAT WATER SHUT-OFF PRACTURE TREAT ARABODA*  TREAT WATER SHUT-OFF  TREAT WATER SHUT-OFF TR		(2130 t E	NT _ 220	71 \					BLE AND
4. PERMIT NO. 43-037-31261  15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4791' CL  Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data  NOTICE OF INTENTION TO:  TEST WATER SHUT-OFF PRACTURE TREAT SHOUT-OFF REPAIR WILL CHANGE PLANS CHANGE PLA	DENE	(2130 1)	NE - 320 FE	311)			81	URVEY OR AREA	
Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data  Notice of intention to:  TEST WATER SHUT-OFF PULL OR ALTER CASING MULTIPLE COMPLETE ABANDON'S SHOOTING OR ACIDIZE CHANGE PLANS (Other) Spud Report  Other)  T. DASSCRIPT PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertlanent details, and give pertluent dates, including estimated date of starting as proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and gones pert  Exeter, Rig #68 spudded well @ 1:00 AM September 16, 1986.  DIVISION OF			-						
NOTICE OF INTENTION TO:  TEST WATER SHUT-OFF FRATURE TREAT  SHOUT OF ACIDIZE REPAIR WALL  (Other)  T. DENORTH'S PROPUSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting as proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and gones pert  Exeter, Rig #68 spudded well @ 1:00 AM September 16, 1986.  DIVISION OF		L			, RT, GR, etc.)		1 ′_		1
NOTICE OF INTENTION TO:  TEST WATER SHUT-OFF PRATTURE TREAT SHOOT OF ACIDIZE REPAIR WALL (Other)  TO EXECUTE TREAT  TO HANGE PLANS  (Other)  TO EXECUTE TREAT  TO HANGE PLANS  (Other)  SPUID REPORT  ALTERING WELL  ALTERING WELL  ALTERING CABING  ALTERING CABING  ALTERING WELL  ALTERING CABING  ALTERING WELL  (Completion Report Peaulis of multiple completion on Well  (Completion Report Pe	8.	Check A	propriate Box T	o Indicate N	lature of Notice	Report o	r Other Da	ta	<u>.l.</u>
SHOUT OF ACIDIZE  REPAIR WELL  CHANGE PLANS	N					-			
PRACTURE TREAT SHOUT OF ACIDIZE REPAIR WELL (Other)  CHANGE PLANS	TEST WATER SHUT-OF	r   1	PULL OR ALTER CASI	ING	WATER SHUT	-OFF		REPAIRING !	WELL.
REPAIR WELL  (Other)  (Other)  (Other)  (Other)  (Note: Report results of multiple completion on Well Completion or Recompletion and Well Completion or Recompletion of Well Completion or Recompletion and Well Completion or Recompletion and Well Completion or Recompletion of Well Completion or Recompletion or Well Completion or Recompletion of Well Completion or Recompletion or or Re	EDICTURE TREAT		MULTIPLE COMPLETS	;   <del></del>	1				]]
(Other)  Completion or Report results of multiple completion on Well Completion or Recompletion Report and Log form.)  DESCRIPTE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting an proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and gones pert exerter, Rig #68 spudded well @ 1:00 AM September 16, 1986.  DIVISION OF	IMA . OUD INDAI	11							<del></del>
DESCRIPTION OF COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting an proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and gones pert exeter, Rig #68 spudded well @ 1:00 AM September 16, 1986.  DIVISION OF		<del></del>			SHOOTING OR	ACIDIZING		ABANDONME	NT.
Exeter, Rig #68 spudded well @ 1:00 AM September 16, 1986.  DIVISION OF	SHOOT OF ACIDIZE		ABANDON*		(Other)	Spud I	<del></del>		X
DIVISIONOF	SHOOT OF ACIDIZE  REPAIR WELL  (Other)	CONFI ETED OPE	ABANDON* CHANGE PLANS	ate all pertinent	(Other) (Norz : Comple	Spud I Report rest	ults of multip appletion Repo	ie completion ort and Log fo	on Well
DIVISIONOF	SHOOT OF ACIDIZE  REPAIR WELL  (Other)  7. DESCRIPE PROPOSED OR  proposed work. If  nent to this work.)*	COMPLETED OPE well is direction	ABANDON*  THANGE PLANS  RATIONS (Clearly st nally drilled, give	subsurface locali	(Other) (Norg: Comple details, and give toons and measured in	Spud I Report resition or Reco pertinent da and true ver	ults of multip appletion Repo	ie completion ort and Log fo	on Well
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	SHOOT OF ACIDIZE  REPAIR WELL  (Other)  7. DESCRIPE PROPOSED OR  proposed work. If  nent to this work.)*	COMPLETED OPE well is direction	ABANDON*  THANGE PLANS  RATIONS (Clearly st nally drilled, give	subsurface locali	(Other) (Norg: Comple details, and give toons and measured in	Spud I Report resition or Reco pertinent da and true ver	ults of multip mapletion Reportes, including ritical depths i	ole completion ort and Log for estimated dat for all marker.	on Well
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OIE, GAS & MINING	SHOOT OF ACIDIZE  REPAIR WELL  (Other)  7. DESCRIPE PROPOSED OR  proposed work. If  nent to this work.) *	COMPLETED OPE well is direction	ABANDON*  THANGE PLANS  RATIONS (Clearly st nally drilled, give	subsurface locali	(Other) (Norg: Comple details, and give toons and measured in	Spud I Report resition or Reco pertinent da and true ver	ults of multip mapletion Reportes, including ritical depths f	ie completion ort and Log for estimated dat for all markers	on Well
	SHOOT OF ACIDIZE  REPAIR WELL  (Other)  7. DESCRIPE PROPOSED OR  proposed work. If  nent to this work.) *	COMPLETED OPE well is direction	ABANDON*  CHANGE PLANS  RATIONS (Clearly st  nally drilled, give	subsurface locali	(Other) (Norg: Comple details, and give toons and measured in	Spud I Report resition or Recopertinent da and true ver	ults of multip mapletion Reported Repor	ie completion ort and Log for estimated dat for all marker all mar	on Well

TITLE .

(This space for Federal or State office use)

			Form approved. Budget Bureau	No. 1004-0135
Form 3160-5 (November 1983)	UN ED STATES	SUBMIT IN TRIP ATE		
(Formerly 9-331)	DEPARTMENT OF THE INT		U-58728	
•	BUREAU OF LAND MANAGEM	<u> </u>	6. IF INDIAN, ALLOTTE	OR TRIBE NAME
SUN (Do not use this	IDRY NOTICES AND REPORT  s form for proposals to drill or to deepen or p  use "APPLICATION FOR PERMIT—" for st	S ON WELLS blug back to a different reservoir. uch propossis.)	Navajo	
1.			7. UNIT AGREEMENT NA	ME
OIL GAS WELL	OTHER			
2. NAME OF OPERATOR		ווא אאר אוויי	8. FARM OR LEASE NAM Navajo	i E
MERIDIAN OIL		43 037-31261	9. WELL NO.	
3. ADDRESS OF OPERATO	55, Billings, MT 59103		42-5	
P. U. DOX 10.	Report location clearly and in accordance with	any State requirements.	10. FIELD AND POOL, O	R WILDCAT
See also space 17 be	low.)		Kiva	
	(2130' FNL - 320' FEL)		11. SEC., T., E., M., OR I SURVEY OR AREA	ILK. AND
			Section 5-39	S-25E
14. PERMIT NO.	15. ELEVATIONS (Show wheth		12. COUNTY OF PARISH	13. STATE Utah
43-037-31261	4/91. (	GL - 4811' KB	San Juan	<u> </u>
16.	Check Appropriate Box To Indica	ate Nature of Notice, Report, or	Other Data	
	NOTICE OF INTENTION TO:	BUBBE	QUENT REPORT OF:	
TEST WATER SHUT-	OFF PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING	WELL
FRACTURE TREAT	MULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING C	<u>  </u>
SHOOT OR ACIDIZE	ABANDON*	SHOOTING OR ACIDIZING	ABANDONME	1
REPAIR WELL	CHANGE PLANS	(Other) Progress Re	ts of multiple completion	on Well
(Other)	OR COMPLETED OPERATIONS (Clearly state all per	Completion or Recom	pletion Report and Log to	te of starting any
17. DESCRIPE PROPOSED ( proposed work, I nent to this work.)	If well is directionally drilled, give aduburtace	e locations and measured and true verti	cal depths for all marker	s and zones perti-
cmtd w/170 s: 32# csg to 3: 350 sx DSLW-: Test annular Core #1, rec	1:00 AM 9-16-86. Ran4 jts x D-917 Highearly W/3% S-1. 300'. Cmt w/250 sx DSLW-3, tail slurry 100 sx Class & pipe drill stage collar. 60'. Drill to 5,549', corger & log. Logging 9/30/86	Drill to 3,300', Ran 8 tail slurry 200 sx Class "B". WOC, NU, test bli TIH, test csg to 1500 e #2. Reached TD of 5,7	32 jts 8-5/8" k- ss "B". Lead sl ind ram & chk to psi. Drill to	Lurry, 5 1500 psi. 5,475',
		TAL INFORMATION	RECE	WE
	CONFIDENT	TAL INFORMATION	OCT 0	1 1985
			Divior	)AI O =
			DIVISI( OIL, GAS 8	MINING
13. i hereby certify the	at the foregoing is true and correct	Sr. Operations Techn	ician 10	/1/86
(This space for Fe	deral or State office use)			

#### \*See Instructions on Reverse Side

DATE \_\_

#### CORE LABORATORIES, INC.



November 4, 1986

MERIDIAN OIL INC. 5613 DTC Parkway Englewood, Colorado 80111

File : 34020-12800

Subject: Core Analysis

Navajo Federal No. 42-5 San Juan County, Utah

#### Gentlemen:

The subject well was cored using diamond coring equipment and water base mud to obtain 4 inch diameter cores from 5475 to 5565 feet.

Core analysis data is presented in tabular and graphical form for your conven-A porosity vs. permeability plot and porosity and permeability histograms were prepared for statistical evaluation.

We trust these data will be useful in the evaluation of your property and thank you for the opportunity of serving you.

Very truly yours,

CORE LABORATORIES, INC.

Chuck Devier

Laboratory Manager

CD/yn

MERIDIAN OIL INC.

NAVAJO FEDERAL NO. 42-5 WELL

SAN JUAN COUNTY, UTAH

MERIDIAN OIL INC. Navajo Federal No. 42-5 File No. 34020-12800 Procedural Page

The cores were preserved at the wellsite in saran and foil and transported to Oklahoma City by motor freight.

A Core Gamma Log was recorded for downhole E-log correlation.

Core analysis was made from intervals requested on full diameter samples.

Fluid removal was achieved using a Dean Stark extraction method.

Fluid saturations were determined by Dean Stark technique.

Gas expansion porosity and grain density were determined using Boyle's Law.

Air permeability was measured in two horizontal directions while the core was held in a Hassler rubber sleeve.

The core was boxed after the analysis and will remain at our Oklahoma City core storage facility (thirty days free of charge) as we await further disposition instructions.

### CORE ANALYSIS REPORT

FOR

MERIDIAN OIL INC.

NAVAJO FEDERAL NO. 42-5 WELL

SAN JUAN COUNTY, UTAH

These analyses, opinions or interpretations are based on observations and materials supplied by the client to whom; and for whose exclusive and confidential use; this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. (all errors and omissions excepted); but Core Laboratories, Inc. and its officers and employees, assume no responsibility and make no warranty or representations, as to the productivity, proper operations, or profitableness of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

#### CORE LABORATORIES, INC.

Company : MERIDIAN OIL INC.

Well

: NAVAJO FEDERAL NO. 42-5 WELL

Location: 2130' FNL, 320' FEL, SEC. 4-39

Co, State: SAN JUAN COUNTY, UTAH

Field Formation

Coring Fluid : WATER BASE MUD

Elevation

Date : 10/28/86 API No.:

File

Analysts:

: 3402-12800

#### ANALYSIS RESULTS CORE

SAMPLE NUMBER	DEPTH	PERMEABILITY (HORIZONTAL)	(90 DEG)	POROSITY (HELIUM)	SATUR	SIDUAL RATIONS	GRAIN DENSITY	Description
	ft	Kair md	Kair md	%	OIL %	WATER %	gm/cc	
) 1	5475.0- 76.0	**	28.0	21.4	17.1	31.5	2.86	DOL, BRN, ANHY
2	5476.0- 77.0	28.9	27.6	20.6	23.2	36.7	2.86	DOL, BRN, ANHY
3	5477.0- 78.0	13.4	12.5	17.8	22.6	32.5	2.84	DOL, BRN, ANHY
4	5478.0- 79.0	8.88	7.12	10.2	30.5	18.5	2.89	DOL, BRN, ANHY
5	5479.0- 80.0	2.11	2.03	11.9	29.4	26.6	2.88	DOL, BRN, ANHY
6	5480.0- 81.0	0.15	0.13	3.9	27.1	27.7	2.89	DOL, BRN, V/ANHY, FOSS
7	5481.0- 82.0	0.59	0.54	4.4	29.9	30.7	2.89	DOL, BRN, V/ANHY, FOSS
8	5482.0- 83.0	1.10	0.90	6.4	25.4	31.3	2.85	DOL, BRN, ANHY, FOSS
9	5483.0-84.0	0.52	0.28	4.0	25.6	30.7	2.87	DOL, BRN, ANHY, SL/SH, FOSS
10	5484.0- 85.0	0.23	0.20	3.8	30.9	27.0	2.83	DOL, BRN, ANHY, SL/SH, FOSS
11	5485.0- 86.0	0.42	0.41	6.3	21.4	24.4	2.85	DOL, BRN, ANHY, SL/SH, FOSS
12	5486.0- 87.0	0.21	0.17	4.1	42.2	32.1	2.83	DOL, BRN, ANHY, SL/SH
13	5487.0- 88.0	3.17	3.12	13.0	25.4	22.0	2.91	DOL, BRN, V/ANHY
14	5488.0- 89.0	8.37	8.12	22.9	29.4	35.4	2.86	DOL, BRN, SL/ANHY
15	5489.0- 90.0	3.89	3.43	18.9	32.2	35.3	2.84	DOL, BRN, SL/ANHY
16	5490.0- 91.0	4.08	3.58	17.9	35.0	26.4	2.83	DOL, BRN, SL/ANHY
		5491.0-5502.0	SHALE,LMY					
17	5502.0- 03.0	1.94	1.84	21.9	32.6	31.1	2.82	DOL, BRN-GRY, SL/LMY
18	5503.0- 04.0	0.95	0.82	8.5	34.3	21.8	2.80	DOL, BRN-GRY, SL/LMY, SL/SI
19	5504.0- 05.0	0.01	<0.01	1.2	0.0	94.0	2.77	LS, GRY, DOL, SL/ANHY
20	5505.0- 06.0	0.01	0.01	1.6	0.0	69.2	2.79	LS, GRY, DOL, SL/ANHY
21	5506.0- 07.0	0.01	0.01	1.7	0.0	56.8	2.77	LS, GRY, DOL, SL/ANHY
22	5507.0- 08.0	0.51	0.43	15.5	23.8	42.8	2.85	DOL, BRN, SL/ANHY, SL/SH
23	5508.0- 09.0	0.06	0.03	15.7	23.9	64.3	2.81	DOL, GRY, SL/ANHY, SL/SH, S'
24	5509.0- 10.0	0.01	0.01	16.5	27.7	52.7	2.80	DOL, GRY, SL/ANHY, SL/SH

#### CORE LABORATORIES, I N C.

Company : MERIDIAN OIL INC. Well : NAVAJO FEDERAL NO

Field

File : 3402-12800

: NAVAJO FEDERAL NO. 42-5 WELL

Formation

Date : 10/28/86

#### CORE ANALYSIS RESULTS

SAMPLE NUMBER		PERMEABILITY (HORIZONTAL)	PERMEABILITY (90 DEG)	POROSITY (HELIUM)	•	SIDUAL RATIONS	GRAIN	D
	ft	Kair md	Kair md	(NELIOM)	OIL %	WATER %	DENSITY gm/cc	Description
25		3.79	1.06	17.6	26.4	35.7	2.84	DOL, GRY, SL/ANHY, SL/SH
, 26		<0.01	<0.01	1.8	1.7	53.5	2.77	LS,GRY,DOL,SH LAM,PP
) 27		0.36	0.34	5.7	18.9	28.4	2.79	LS,GRY,DOL,SH LAM,FOSS
28		5.23	2.80	9.3	18.6	22.8	2.77	LS,GRY,DOL,PP,FOSS
29		4.06	3.91	9.6	24.7	24.1	2.78	LS,GRY,DOL,PP,FOSS
30		2.04	1.58	6.7	21.2	30.2	2.79	LS,GRY,DOL,PP,FOSS
31		1.19	1.10	7.8	17.2	26.9	2.76	LS,GRY,SL/DOL,PP,FOSS
32		0.69	0.46	6.4	16.6	23.8	2.75	LS,GRY,SL/DOL,PP,FOSS
33		2.45	3.91	1.6	1.2	27.5	2.70	DOL, GRY, SL/SH, PP, FOSS
34		0.27	0.23	5.3	26.0	19.2	2.72	DOL,GRY,SL/SH,PP,FOSS
35		1.73	1.24	4.5	26.1	28.3	2.78	LS,GRY,DOL,PP,FOSS
36		4.34	3.45	6.4	13.4	22.3	2.76	LS,GRY,DOL,PP,FOSS
37		2.89	2.67	7.2	17.4	29.7	2.77	LS,GRY,DOL,PP,FOSS
38		16.4	14.9	20.7	16.7	41.5	2.88	DOL, BRN, ANHY
39		21.6	21.6	23.0	19.1	42.2	2.85	DOL, BRN, ANHY
40		**	15.0	22.3	20.8	37.1	2.84	DOL, BRN, ANHY
41		8.22	7.90	17.1	21.5	37.5	2.87	DOL, BRN, ANHY
42		6.26	3.97	8.1	27.1	19.6	2.78	LS,GRY,DOL,PP,FOSS
43		0.02	0.02	6.3	25.0	18.4	2.78	LS,GRY,DOL,PP,FOSS
· 44		3.48	1.33	5.4	24.6	28.4	2.90	LS,GRY,DOL,PP,FOSS
45		**	1.28	6.8	4.0	29.0	2.80	LS,GRY,DOL,PP,FOSS
46		0.90	0.60	6.4	17.3	20.0	2.77	LS,GRY,DOL,PP,FOSS
47	5532.0- 33.0	0.38	0.34	3.4	8.4	26.0	2.78	LS,GRY,DOL,PP,FOSS
48		0.30	0.27	3.2	7.1	22.8	2.78	LS,GRY,DOL,PP,FOSS
49		1.05	0.87	5.2	13.4	21.5	2.76	LS,GRY,DOL,PP,FOSS
50		0.66	0.02	2.0	24.5	47.2	2.84	DOL, GRY, V/ANHY, SL/LMY, FRA
51		4.82	3.93	15.8	23.3	29.9	2.87	DOL, BRN, ANHY, PP
52		1.51	1.04	10.0	30.5	28.8	2.87	DOL, BRN, ANHY, PP
53	5538.0- 39.0	1.63	0.91	11.4	22.0	33.3	2.83	DOL, BRN, ANHY, PP, FRAC

### CORE LABORATORIES, INC.

Company : MERIDIAN OIL INC.
Well : NAVAJO FEDERAL NO.

: NAVAJO FEDERAL NO. 42-5 WELL

Field

:

File : 34

: 3402-12800

**Formation** 

Date : 10/28/86

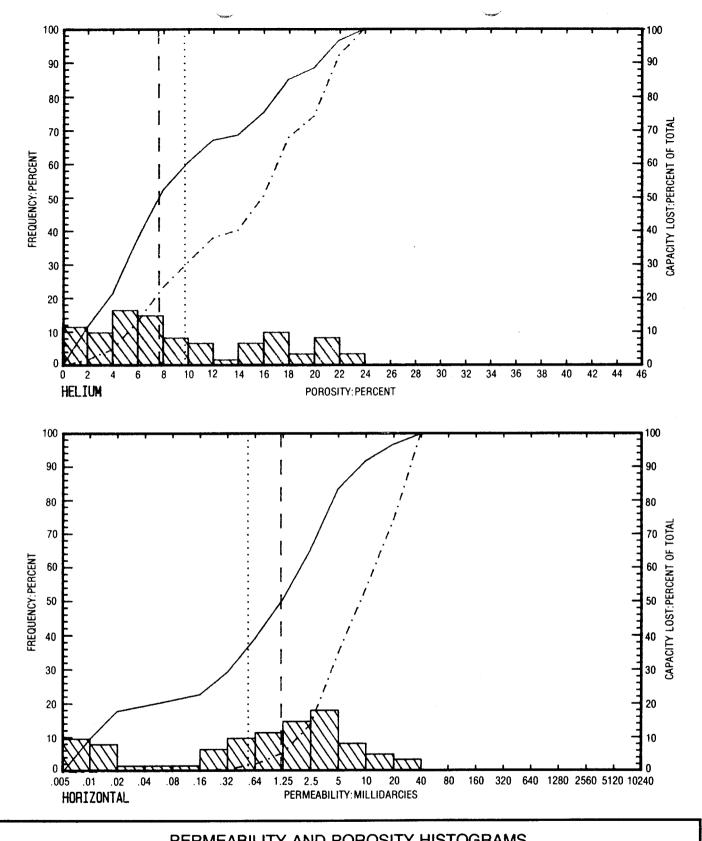
### CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH	PERMEABILITY (HORIZONTAL)	1		RESIDUAL SATURATIONS		GRAIN DENSITY	Description
	ft	Kair md	Kair md	×	OIL %	WATER %	gm/cc	
54	5539.0- 40.0	10.5	1.67	14.6	31.7	40.7	2.84	DOL, BRN, ANHY, PP
<sub>.</sub> 55	5540.0- 41.0	1.95	1.58	17.1	30.1	33.0	2.86	DOL, BRN, ANHY, PP
56	5541.0- 42.0	3.51	3.39	21.9	29.0	33.5	2.83	DOL, BRN, ANHY
57	5542.0- 43.0	3.16	3.12	21.4	37.1	28.5	2.83	DOL, BRN, ANHY
58	5543.0- 44.0	1.62	1.55	18.4	29.8	34.2	2.83	DOL, BRN, ANHY
59	5544.0- 45.0	<0.01	<0.01	8.9	0.0	74.8	2.79	LS,GRY,DOL,SL/SH,FOSS
60	5545.0- 46.0	<0.01	<0.01	5.6	0.0	69.8	2.77	LS,GRY,DOL,SL/SH,FOSS
61	5546.0- 47.0	<0.01	<0.01	4.6	0.0	61.1	2.75	LS,GRY,DOL,SL/SH,FOSS
62	5547.0- 48.0	<0.01	<0.01	2.6	0.0	72.3	2.72	LS,GRY,SH,FOSS
63	5548.0- 49.0	0.01	<0.01	1.0	0.0	36.8	2.72	LS,GRY,SH,FOSS
64	5549.0- 50.0	<0.01	<0.01	1.1	0.0	50.4	2.71	LS,GRY,SH,FOSS

5550.0-5565.0 SHALE, BLK, LMY

<sup>\*</sup> UNSUITABLE FOR ANALYSIS

<sup>\*\*</sup> Denotes Plug Permeability



### PERMEABILITY AND POROSITY HISTOGRAMS

MERIDIAN OIL INC. NAVAJO FEDERAL NO. 42-5 WELL

SAN JUAN COUNTY, UTAH PAGE 4

#### **LEGEND**

ARITHMETIC MEAN POROSITY GEOMETRIC MEAN PERMEABILITY **MEDIAN VALUE CUMULATIVE FREQUENCY CUMULATIVE CAPACITY LOST** 

•••••
<del></del>

### CORE LABORATORIES, INC. Petroleum Reservoir Engineering DALLAS, TEXAS

PAGE 1

### STATISTICAL DATA FOR POROSITY AND PERMEABILITY HISTOGRAM

COMPANY: MERIDIAN OIL INC.

WELL

: NAVAJO FEDERAL NO. 42-5 WELL

FIELD: PAGE 4

COUNTY, STATE: SAN JUAN COUNTY, UTAH

AIR PERMEABILITY: MD.

HORIZONTAL

RANGE USED

O.000 TO 29.

POROSITY

: PERCENT

HELIUM

RANGE USED

0.0 TO 46.0

(PERMEABILITY UNCORRECTED FOR SLIPPAGE)

DEPTH LIMITS (FEET)

5475.0 -5550.0

INTERVAL LENGTH:

75.0

FEET ANALYZED IN ZONE

61.0

LITHOLOGY EXCLUDED: NONE

DATA SUMMARY

POROSITY PERMEABILITY AVERAGES AVERAGE ARITHMETIC HARMONIC GEOMETRIC 9.7 3.2 0.01 0.52

These analyses, opinions or interpretations are based on observations and materials supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. (all errors and omissions excepted); but Core Laboratories, Inc. and its officers and employees, assume no responsibility and make no warranty or representations, as to the productivity, proper operations, or profitableness of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

### STATISTICAL DATA FOR POROSITY AND PERMEABILITY HISTOGRAM

COMPANY: MERIDIAN OIL INC.

WELL

: NAVAJO FEDERAL NO. 42-5 WELL

FIELD:

COUNTY, STATE: SAN JUAN COUNTY, UTAH

PAGE 4

### GROUPING BY POROSITY RANGES

POROSITY RANGE	FEET IN RANGE	AVERAGE POROSITY	AVERAGE (GEOM.)	PERM. (ARITH)	FREQUENCY (PERCENT)	CUMULATIVE FREQUENCY (%)
				<del></del>		*****
0.0 - 2.0	7.0	1.4	0.018	0.357	11.5	11.5
2.0 - 4.0	6.0	3.2	0.153	0.288	9.8	21.3
4.0 - 6.0	10.0	4.9	0.250	0.822	16.4	37.7
6.0 - 8.0	9.0	6.7	0.825	1.5	14.8	52.5
8.0 - 10.0	5.0	8.9	0.908	3.3	8.2	60.7
10.0 - 12.0	4.0	10.9	2.6	3.5	6.6	67.2
12.0 - 14.0	1.0	13.0	3.2	3.2	1.6	68.9
14.0 - 16.0	4.0	15.4	1.1	4.0	6.6	75.4
16.0 - 18.0	6.0	17.3	1.8	5.2	9.8	85.2
18.0 - 20.0	2.0	18.6	2.5	2.8	3.3	88.5
20.0 - 22.0	5.0	21.3	6.3	11.	8.2	96.7
22.0 - 24.0	2.0	23.0	13.	15.	3.3	100.0

TOTAL NUMBER OF FEET = 61.0

### CORE LABORATORIES, INC. Petroleum Reservoir Engineering

DALLAS, TEXAS

### STATISTICAL DATA FOR POROSITY AND PERMEABILITY HISTOGRAM

COMPANY: MERIDIAN OIL INC.

WELL

: NAVAJO FEDERAL NO. 42-5 WELL

FIELD: PAGE 4

COUNTY, STATE: SAN JUAN COUNTY, UTAH

### GROUPING BY PERMEABILITY RANGES

PERMEABILITY RANGE	FEET IN RANGE	AVERAGE (GEOM.)	PERM. (ARITH)	AVERAGE POROSITY	FREQUENCY (PERCENT)	CUMULATIVE FREQUENCY (%)
0.005 - 0.010 0.010 - 0.020	6.0 5.0	0.005 0.010	0.005	4.1	9.8	9.8
0.020 - 0.039	1.0	0.020	0.010 0.020	4.4 6.3	8.2	18.0
0.039 - 0.078	1.0	0.060	0.020	15.7	1.6 1.6	19.7 21.3
0.078 - 0.156	1.0	0.149	0.149	3.9	1.6	23.0
0.156 - 0.312	4.0	0.250	0.253	4.1	6.6	29.5
0.312 - 0.625 0.625 - 1.250	6.0	0.456	0.463	6.6	9.8	39.3
1.250 - 2.500	7.0	0.915	0.935	6.1	11.5	50.8
2.500 - 5.000	9.0	1.9	1.9	11.5	14.8	65.6
5 10.	11.0	3.7	3.7	14.1	18.0	83.6
	5.0	7.2	7.4	13.5	8.2	91.8
	3.0	13.	13.	17.7	4.9	96.7
20 40.	2.0	25.	25.	21.8	3.3	100.0

TOTAL NUMBER OF FEET = 61.0

These analyses, opinions or interpretations are based on observations and materials supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions excepted by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions excepted by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions excepted; but Core Laboratories, Inc. and its officers and employees, assume no responsibility and make no warranty or representations, as to the productivity, proper operations, or profitableness of any oil, gas or other mineral well or mand in connection with which such report is used or relied upon.

DALLAS, TEXAS

### STATISTICAL DATA FOR POROSITY AND PERMEABILITY HISTOGRAM

COMPANY: MERIDIAN OIL INC.

WELL

: NAVAJO FEDERAL NO. 42-5 WELL

FIELD : PAGE 4

COUNTY, STATE: SAN JUAN COUNTY, UTAH

### POROSITY-FEET OF STORAGE CAPACITY LOST FOR SELECTED POROSITY CUT OFF

POROSITY CUT OFF	FEET LOST	CAPACITY LOST (%)	FEET REMAINING	CAPACITY REMAINING (%)	ARITH MEAN	MEDIAN
0.0	0.0	0.0	61.0	100.0	9.7	7.7
2.0	7.0	1.7	54.0	98.3	0.0	8.8
4.0	13.0	4.9	48.0	95.1	0.0	10.0
6.0	23.0	13.1	38.0	86.9	0.0	14.0
8.0	32.0	23.2	29.0	76.8	0.0	16.2
10.0	37.0	30.7	24.0	69.3	0.0	17.0
12.0	41.0	38.0	20.0	62.0	0.0	17.7
14.0	42.0	40.2	19.0	59.8	0.0	17.8
16.0	46.0	50.5	15.0	49.5	0.0	19.5
18.0	52.0	68.1	9.0	31.9	0.0	21.0
20.0	54.0	74.3	7.0	25.7	0.0	21.4
22.0	59.0	92.3	2.0	7.7	0.0	23.0
24.0	61.0	100.0	0.0	0.0		

TOTAL STORAGE CAPACITY IN POROSITY-FEET = 593.8

### CORE LABORATORIES, INC. Petroleum Reservoir Engineering

DALLAS, TEXAS

### STATISTICAL DATA FOR POROSITY AND PERMEABILITY HISTOGRAM

COMPANY: MERIDIAN OIL INC.

WELL

: NAVAJO FEDERAL NO. 42-5 WELL

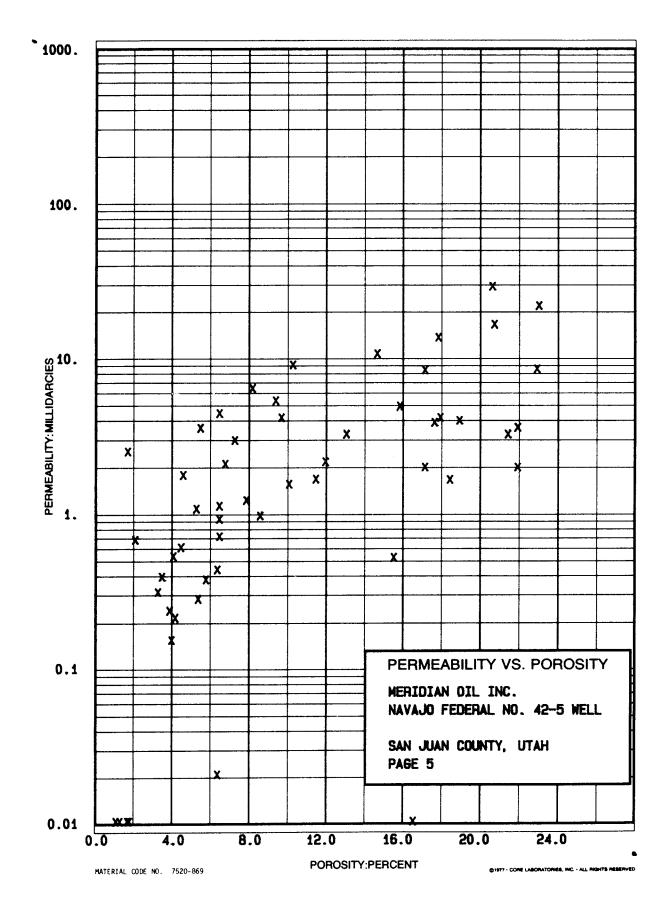
FIELD: PAGE 4

COUNTY, STATE: SAN JUAN COUNTY, UTAH

### MILLIDARCY-FEET OF FLOW CAPACITY LOST FOR SELECTED PERMEABILITY CUT OFF

PERMEABILITY CUT OFF	LOST	CAPACITY LOST (%)	FEET REMAINING	CAPACITY REMAINING (%)	GEOM MEAN	MEDIAN
0.005	0.0	0.0	63.0			
		0.0	61.0	100.0	0.52	1.19
0.010	6.0	0.0	55.0	100.0	1.03	1.52
0.020	11.0	0.0	50.0	100.0	1.64	1.84
0.039	12.0	0.1	49.0	99.9	1.79	1.91
0.078	13.0	0.1	48.0	99.9	1.92	1.98
0.156	14.0	0.2	47.0	99.8	2.03	
0.312	18.0	0.7	43.0	99.3		2.06
0.625	24.0	2.1	37.0	97 <b>.</b> 9	2.46	2.41
1.250	31.0	5.4	30.0	94.6	3.24	2.93
2.500	40.0	14.1			4.35	3.65
5.			21.0	85.9	6.25	4.84
	51.0	35.0	10.0	65.0	11.12	10.00
10.	56.0	53.8	5.0	46.2	17.06	17.82
20.	59.0	74.3	2.0	25.7	24.98	28.28
40.	61.0	100.0	0.0	0.0	_ 1170	20.20

TOTAL FLOW CAPACITY IN MILLIDARCY-FEET (ARITHMETIC) = 196.58



### CORE LABORATORIES, INC. Petroleum Reservoir Engineering DALLAS, TEXAS

PAGE NO. 1

#### PERMEABILITY VS POROSITY

COMPANY: MERIDIAN OIL INC.

WELL

: NAVAJO FEDERAL NO. 42-5 WELL

FIELD:

COUNTY, STATE: SAN JUAN COUNTY, UTAH

AIR PERMEABILITY : MD - HORIZONTAL

UNCORRECTED FOR SLIPPAGE )

POROSITY

: PERCENT

HELIUM

DEPIH INTERVAL(FT)	RANGE & SYMBOL	PERMEABILITY MINIMUM MAXIMUM	POROSITY MIN. MAX.	POROSITY AVERAGE	PERMEABILITY AVERAGES ARITHMETIC HARMONIC GEOMETRIC
5476.0 - 5550.0	1 (X)	0.001 28.9	1.0 23.0	9.7	3.2 0.01 0.52

### CORE LABORATORIES, INC.

Petroleum Reservoir Engineering

COMPANY	MERIDIAN OIL INC. NAVAJO FEDERAL NO. 42-5 WELL	TILE NO. 3402-12800 DATE 10/28/86
FIELD	FORMATION WATER DAPE MID	ELEV.
.COUNTY_	SAN JUAN COUNTY STATE UTAH DRLG.FLD. WATER BASE MUD 2130' FNL, 320' FEL, SEC. 4-39S-25E	CORES

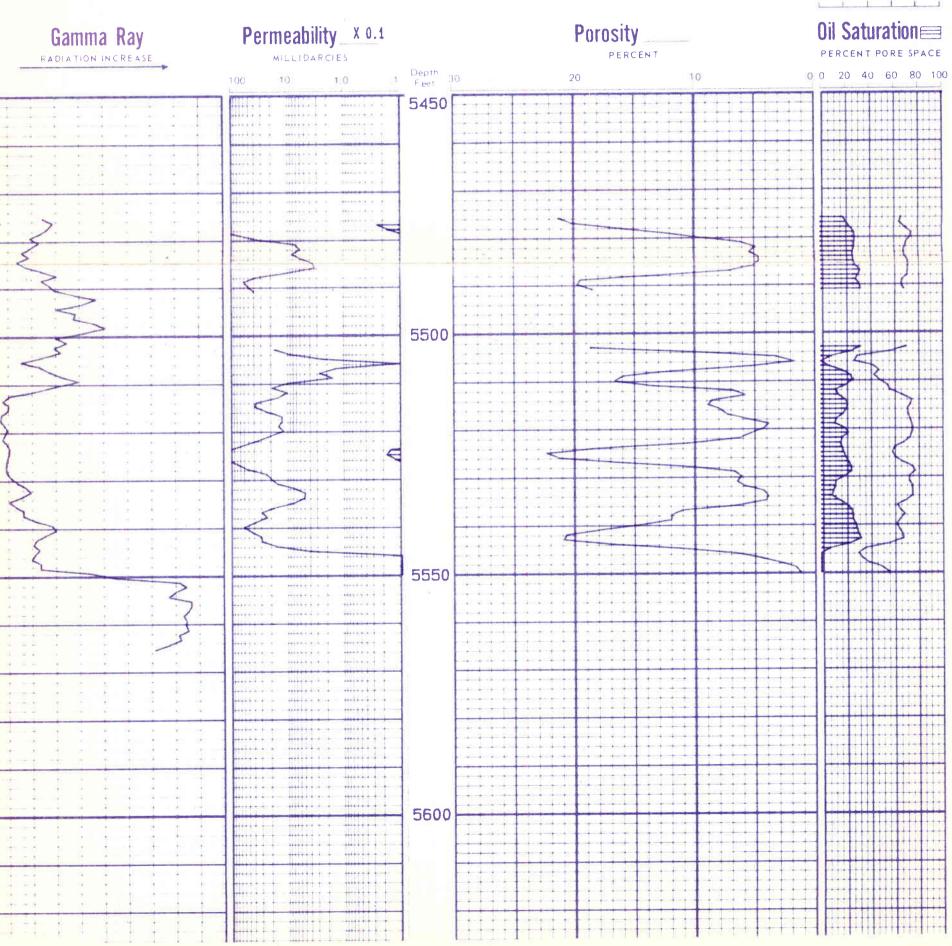
# CORRELATION COREGRAPH

VERTICAL SCALE: 40

**Total Water** 

PERCENT PORE SPACE





Form 3160-5 (November 1083)

CONDITIONS OF APPROVAL, IF ANY:

### UNITED STATES

Form approved. Budget Bureau No. 1004-0135 Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  OIL WELL SET OTHER  OTHER  NAME OF OPERATOR  P. O. BOX 1855, Billings, MT 59103  Location of well (Report location clearly and in accordance with any State Equirements.*  See also space 17 below.)  At surface  SENE (2130' FNL - 320' FEL)  4. PERMIT NO.  43-037-31261  Check Appropriate Box To Indicate Nature of Notice, Report, or Other Notice of Intention to:  SUBBEQUENT  TEST WATER SHUT-OFF  FRACTURE TREAT  SHOOT OR ACIDIZE  ABANDON*  CHANGE PLANS  CHANGE PLANS  OIL OCAS & NUNNING  TO SUBBEQUENT  WATER SHUT-OFF  FRACTURE TREAT  SHOOTING OR ACIDIZING  (Other) Progress Report	REPORT OF:  REPAIRING WELL  ALTERING CASING  ABANDONMENT*  OCTOBER 86  AUDITION ON Well  Report and Log form.)
SUNDRY NOTICES AND REPORTS ON WELLS  (Do not use this form for proposals to deline to deepen or plug back to a different reservoir.  OIL SECRET OF PROPOSED AT OR PERMIT— for such proposals.)  OIL SECRET OF PERMIT OF PERMIT— for such proposals.)  OIL SECRET OF SECRET	Navajo  UNIT AGREEMENT NAME  N/A  FARM OR LEASE NAME  Navajo  WELL NO.  42-5  FIELD AND POOL, OR WILDCAT  Kiva  SEC., T., E., M., OR RLE. AND  SURVEY OR AREA  Section 5-39S-25E  COUNTY OR PARISH 13. STATE  San Juan  Utah  T Data  REPORT OF:  REPAIRING WELL  ALTERING CASING  ABANDONMENT*  OCTOBER 86  TAILURING COMPLETION ON WELL  AUTHORN MENTS  AUTHORN MENTS  OUTSIDE COMPLETION ON WELL  AUTHORN MENTS  AUTHORN MENTS  OUTSIDE COMPLETION ON WELL  REPORT AND COMPLETION ON WELL  AUTHORN MENTS  OUTSIDE COMPLETION ON WELL  AUTHORN MENTS  AUTHORN MENTS  OUTSIDE COMPLETION ON WELL  AUTHORN MENTS  AUTHORN MENT
NAME OF OPERATOR  MERIDIAN OIL INC.  ADDRESS OF OPERATOR  P. O. Box 1855, Billings, MT 59103  LOCATION OF WELL (Report location clearly and in accordance with any Shift reducements.*  See also space 17 below.)  At surface  SENE (2130' FNL - 320' FEL)  Check Appropriate Box To Indicate Nature of Notice, Report, or Other Notice of Intention to:  SUBBEQUENT  TEST WATER SHUT-OFF  PRACTURE TREAT  SHOOT OR ACIDIZE  REPAIR WELL  COLLED  DESCRIPS PROPUSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and grade work, if well is directionally drilled. give subsurface locations and measured and true vertical directions in this work.)  Finished logging. Ran 142 jts J-55, STC, 8RD 5-1/2" 17# casing Cemented w/50 sx DS LW-3, 523 sx DS LW-3, tail in w/220 sx Claim w/1500 psi. Release rig @ 2:00 PM 10-1-86. MIRU Pool #723 Oct RU Schlumberger and run CBL-VDL-GR-CCL from PBTD 5710' up to 20 PBTD up to 5000' w/1000#. Good bond. Perforated U. Ismay (55 Acidize w/1600 gal 15% Hcl. Swab test, recovered 58.5 B0 & 84 October 20, 1986. F 347 B0, 0 BW & 473 MCFGPD. Shut well in in the control of the control o	N/A  FARM OR LEASE NAME  Navajo  WELL NO.  42-5  FIELD AND POOL, OR WILDCAT  Kiva  SEC., T., E., M., OR BLE. AND  SURVEY OR AREA  Section 5-39S-25E  COUNTY OR PARISH 13. STATE  San Juan Utah  F Data  REPORT OF:  REPAIRING WELL  ALTERING CASING  ABANDONMENT*  OCTOBER 86  TAILURE COMPLETION ON Well  REPORT and Log form.)
NAME OF OPERATOR  MERIDIAN OIL INC.  ADDRESS OF OPERATOR  P. O. Box 1855, Billings, MT 59103  LOCATION OF WELL (Report location clearly and in accordance with any Shite Equivenents.*  See also space 17 below.)  At surface  SENE (2130' FNL - 320' FEL)  Check Appropriate Box To Indicate Nature of Notice, Report, or Other Notice of Intention to:  TEST WATER SHUT-OFF FRACTURE TREAT SHOOT OR ACIDIZE REPAIR WELL (Other)  DESCRIPE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, increment to this work.)  Finished logging. Ran 142 jts J-55, STC, 8RD 5-1/2" 17# casing Cemented w/50 sx DS LW-3, 523 sx DS LW-3, tail in w/220 sx Claim w/1500 psi. Release rig @ 2:00 PM 10-1-86. MIRU Pool #723 Oct RU Schlumberger and run CBL-VDL-GR-CCL from PBTD 5710' up to 2 PBTD up to 5000' w/1000#. Good bond. Perforated U. Ismay (55-Acidize w/1600 gal 15% Hcl. 1470 gal Kcl. Swab test, recovered Acidize w/7500 gal 15% Hcl. Swab test, recovered 58.5 BO & 84 October 20, 1986. F 347 BO, 0 BW & 473 MCFGPD. Shut well in 1.5. Since the content of the conten	Navajo  WBLL NO.  42-5  FIELD AND FOOL, OR WILDCAT  Kiva  SEC., T., E., M., OR BLE. AND SURVEY OR AREA  Section 5-39S-25E  COUNTY OR PARISH 13. STATE  San Juan  Utah  **Data  **ERPORT OF:  **REPAIRING WELL  ALTERING CASING  ABANDONMENT*  - October 86  AUItiple completion on Well  Report and Log form.)
MERIDIAN OIL INC.  ADDRESS OF OFERATOR  P. O. Box 1855, Billings, MT 59103  LOCATION OF WELL (Report location clearly and in accordance with any State Equivements.*  See also space 17 below.)  At surface  SENE (2130' FNL - 320' FEL)  Check Appropriate Box To Indicate Nature of Notice, Report, or Other Notice of Intention to:  TEST WATER SHUT-OFF  PERMIT NO.  ABANDON*  SHOOTING OR ACIDIZE  REPAIR WELL  (Other)  DESCRIEE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent data, inc proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical denies to his work.)*  Finished logging. Ran 142 jts J-55, STC, 8RD 5-1/2" 17# casing Cemented w/50 sx DS LW-3, 523 sx DS LW-3, tail in w/220 sx Class w/1500 psi. Release rig @ 2:00 PM 10-1-86. MIRU Pool #723 Oct RU Schlumberger and run CBL-VDL-GR-CCL from PBTD 5710' up to 20 PBTD up to 5000' w/1000#. Good bond. Perforated U. Ismay (55-Acidize w/1600 gal 15% Hcl. Swab test, recovered 58.5 BO & 84 October 20, 1986. F 347 BO, 0 BW & 473 MCFGPD. Shut well in in 1980.	Navajo  WELL NO.  42-5 FIELD AND POOL, OR WILDCAT  KIVA SEC, T. E., M., OR BLE. AND SURVEY OR AREA  Section 5-39S-25E COUNTY OR PARISH 13. STATE San Juan Utah  r Data  EEPORT OF:  REPAIRING WELL ALTERING CASING ABANDONMENT*  - October 86  AUDITION OF WELL ALTERING CASING ABANDONMENT*  October 86  AUDITION OF WELL ALTERING CASING ABANDONMENT*  October 86  AUDITION OF WELL ALTERING CASING ABANDONMENT*  ABANDONMENT*  October 86  AUDITION OF WELL ALTERING CASING ABANDONMENT*
P. O. Box 1855, Billings, MT 59103  Location of well (Report location clearly and in accordance with any Shite Equivements.*  SENE (2130' FNL - 320' FEL)  PERMIT NO.  43-037-31261  Check Appropriate Box To Indicate Nature of Notice, Report, or Othen Notice of Intention to:  BUBBEQUENT  TEST WATER SHUT-OFF  FRACTURE TREAT  SHOOT OR ACIDIZE  REPAIR WELL  (Other)  CHANGE PLANS  (Other)  CHANGE PLANS  (Other)  Finished logging. Ran 142 jts J-55, STC, 8RD 5-1/2" 17# casing Cemented W/50 sx DS LW-3, 523 sx DS LW-3, tail in w/220 sx Class w/1500 psi. Release rig @ 2:00 PM 10-1-86. MIRU Pool #723 Oct RU Schlumberger and run CBL-VDL-GR-CCL from PBTD 5710' up to 20 PBTD up to 5000' w/1000#. Good bond. Perforated U. Ismay (55-Acidize w/1500 gal 15% Hcl. Swab test, recovered 58.5 BO & 84 October 20, 1986. F 347 BO, 0 BW & 473 MCFGPD. Shut well in 1.	WELL NO.  42-5 FIELD AND POOL, OR WILDCAT  KIVA  SEC, T., E., M., OR BLK. AND SURVEY OR AREA  Section 5-39S-25E  COUNTY OR PARISH 13. STATE  San Juan  Utah  T Data  REPORT OF:  REPAIRING WELL ALTERING CASING ABANDONMENT*  OCTOBER 86  TAILURE COMPLETION ON Well Report and Log form.)
P. O. Box 1855, Billings, MT 59103  Location of well (Report location clearly and in accordance with any State Requirements.*  See also space 17 below.)  At surface  SENE (2130' FNL - 320' FEL)  The see also space 17 below.)  At surface  SENE (2130' FNL - 320' FEL)  The see also space 17 below.)  At surface  SENE (2130' FNL - 320' FEL)  The see also space 17 below.)  The see also space 18 below.)  The sec also space 18 below.)  The sec also space 18 below.}  Th	42-5  FIELD AND POOL, OR WILDCAT  Kiva  SEC., T., E., M., OR BLK. AND SURVEY OR AREA  Section 5-39S-25E  COUNTY OR PARISH 13. STATE  San Juan  Utah  T Data  EEPORT OF:  BEPAIRING WELL  ALTERING CASING  ABANDONMENT*  October 86  AUItiple completion on Well Report and Log form.)
SENE (2130' FNL - 320' FEL)  PERMIT NO. 43-037-31261  Check Appropriate Box To Indicate Nature of Notice, Report, or Other Notice of Intention to:  SUBJECTIVE TREAT SHOOT ON ACIDIZE REPAIR WELL (Other)  DESCRIPE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, increased work. If well is directionally drilled, give subsurface locations and measured and true vertical denoted by this work.)*  Finished logging. Ran 142 jts J-55, STC, 8RD 5-1/2" 17# casing Cemented w/50 sx DS LW-3, 523 sx DS LW-3, tail in w/220 sx Claw W/1500 psi. Release rig @ 2:00 PM 10-1-86. MIRU Pool #723 Oct RV Schlumberger and run CBL-VDL-GR-CCL from PBTD 5710' up to 2.0 PBTD up to 5000' w/1000#. Good bond. Perforated U. Ismay (55-Acidize w/1600 gal 15% Hcl., 1470 gal Kcl. Swab test, recovered Acidize w/7500 gal 15% Hcl., Swab test, recovered 58.5 BO & 84 October 20, 1986. F 347 BO, 0 BW & 473 MCFGPD. Shut well in 1.2 PBTD work of the proposed of the control of the c	Kiva  SEC., T., E., M., OR BLE. AND SURVEY OR AREA  Section 5-39S-25E  COUNTY OR PARISH 13. STATE San Juan Utah  T Data  REPORT OF:  REPAIRING WELL ALTERING CASING ABANDONMENT* - October 86  Cultiple completion on Well Report and Log form.)
SENE (2130' FNL - 320' FEL)  PERMIT NO. 43-037-31261  Check Appropriate Box To Indicate Nature of Notice, Report, or Other Notice of Intention to:  TEST WATER SHUT-OFF MULTIPLE COMPLETE ABANDON* (Other)  CHANGE PLANS  CONTENT REPORT results of Completion or Recompletion or Re	Kiva  SEC., T., E., M., OR BLE. AND SURVEY OR AREA  Section 5-39S-25E  COUNTY OR PARISH 13. STATE  San Juan Utah  T Data  REPORT OF:  REPAIRING WELL ALTERING CASING ABANDONMENT* - October 86  Cultiple completion on Well Report and Log form.)
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Check Appropriate Box To Indicate Nature of Notice, Report, or Other Notice of Intention to:  TEST WATER SHUT-OFF PULL OR ALTER CASING MULTIPLE COMPLETE ABANDON* CHANGE PLANS (Other)  DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, incompletion or Recompletion or Recompletion of this work.)*  Finished logging. Ran 142 jts J-55, STC, 8RD 5-1/2" 17# casing Cemented w/50 sx DS LW-3, 523 sx DS LW-3, tail in w/220 sx Clasw/1500 psi. Release rig @ 2:00 PM 10-1-86. MIRU Pool #723 Oct RU Schlumberger and run CBL-VDL-GR-CCL from PBTD 5710' up to 20 PBTD up to 5000' w/1000#. Good bond. Perforated U. Ismay (55-Acidize w/1600 gal 15% Hcl. 1470 gal Kcl. Swab test, recovered Acidize w/7500 gal 15% Hcl. Swab test, recovered 58.5 BO & 84 October 20, 1986. F 347 BO, 0 BW & 473 MCFGPD. Shut well in	SURVEY OR AREA  Section 5-39S-25E  COUNTY OR PARISH 13. STATE  San Juan Utah  T Data  REPORT OF:  REPAIRING WELL  ALTERING CASING  ABANDONMENT*  OCTOBER 86  TABLE OF COUNTY OF THE PARISH IN THE PARI
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	s "B". Bumped plug ober 9, 1986. 00'. Rerun from 4' - 5471') w/4 jspf. 65.5 BO, 41.3 BW/10 b BWPD. Started flowing
Assertation of the second of t	
Market Barren and Barr	
TANKARIAN TO THE PROPERTY OF T	· · · · · · · · · · · · · · · · · · ·
MENTAL MEDITIAL MEDITIAL	
1 continue	
n de la companya de La companya de la co	
i hereby dertify that the foregoing is true and correct	
SIGNED DESCRIPTION TITLE Sr. Operations Technician	· · · · · · · · · · · · · · · · · · ·

Form 3160-5 (November 1983) (Formerly 9-331)	DEPARTMEN'	TED STATES T OF THE INTER LAND MANAGEMEN		Form approved. Budget Bureau Expires August 5. LEASE DESIGNATION U-58728	No. 1004-0135 31, 1985
		AND REPORTS drill or to deepen or plug FOR PERMIT—" for such	ON WELLS back to a different reservoir. proposals.)	8. IF INDIAN, ALLOTTEI Navajo	E OR TRIBE NAME
OIL CAS WELL CAS WELL CAS WELL CAS WELL CAS WELL CAS		Q (	PEGELVEIN	7. UNIT AGREEMENT NA N/A 8. FARM OR LEASE NAM	
MERIDIAN 3. ADDRESS OF OPERA P. O. Box	ros . 1855 Rillings	s, MT 59103	NOV 19 1986	Navajo 9. well no. 42-5	
At surface	(Report location clearly below.)	and in accordance with an	OIL. GAS & MINING	Kiva  11. SEC., T., E., M., OR I SURVEY OR AREA	
14. PERMIT NO.		ELEVATIONS (Show whether I	DF. RT. GR. etc.)	Section 5	
43-037-31		4811'		San Juan	Utah
16.	Check Appropriate OF INTENTION T		Nature of Notice, Report, or	Other Data	
TEST WATER SHUT PRACTURE TREAT SHOOT OF ACIDIZE REPAIR WELL (Other)	MULTIF	PLE COMPLETE ON* E PLANS X		ALTERING C ABANDONME ts of multiple completion upletion Report and Log for	ASING NT*
17. DESCRIPE PROPOSED proposed work: nent to this work	If well is directionally	is (Clearly state all pertine drilled, give subsurface loc	ent details, and give pertinent date estions and measured and true vert	s, including estimated dat ical depths for all marker	te of starting and s and zones perti

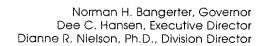
72 hr well test, flowed 855 BO, 0 BW and 1047 MCFPD, 30/64" choke. Avg FTP 115 psi, GOR 1225:1.

Average - 285 BOPD, 0 BWPD, 349 MCFGPD. Avg GOR 1225:1.

Permission to produce the well and flare gas for a 60 day period is requested. Additional bottom hole pressure will be required to determine the extent of the reservoir after a draw down period.



	CONFIDENTIAL INFORMATION I	
SIGNED W.S. Blace SIGNED W.S. B. B. C.	TITLE Production Superintendent DATE 11/13/86	5
(This space for Federal or State office use)  APPROVED BY	ACCEPTED BY THE STATE	
CONDITIONS OF APPROVAL, IF ANY:	OF UTAH DIVISION OF	**
Federal approval of this action is required before commencing specialing	OIL, GAS, AND MINING  *See Instructions on Reverse Side  BY July 12-1-86	
Title 18 U.S.C. Section 1001, makes it a crim United States any false, fictitious or fraudule	e for any person knowingly and willfully to make to any department of agency of int statements or representations as to any matter within its jurisdiction.	•





355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

December 1, 1986

120306

Meridian Oil Inc. P.O.Box 1855 Billings, MT 59103

Gentlemen:

RE: Request to Flare or Vent Associated Gas for Navajo Well No. 42-5, Sec.5, T.39S, R.25E, San Juan County, Utah

The Division of Oil, Gas and Mining hereby grants approval of your sundry notice dated November 13, 1986, to flare associated gas from the referenced well. The approval shall allow associated gas to be flared or vented in excess of that allowed by Rule 311.3 of the Oil and Gas Conservation General Rules for the purposes of testing the well during the period extending until February 1, 1987.

Please note that this approval represents an administrative variance to Rule 311.3. The Division will inform the Board of Oil, Gas and Mining of the approval at the next regularly scheduled meeting to be held on December 4, 1986, during the informal Briefing Session. No Board action will be required at this time. Any additional request for flaring will require concurrence or approval of the Board.

It is also necessary to comply with federal regulations and the federal lease requirements concerning oil and gas operations. Therefore, you are advised to contact the appropriate federal agency and ensure that they do not object to the proposed gas flaring.

Please contact this office again if you have any further questions.

Best regards,

Dianne R. Nielson

Director

cc: R. J. Firth
J. R. Baza
Well file

9258T-55

### MERIDIAN OIL

December 2, 1986



DIVISION OF OIL. GAS & MINING

Utah Department of Natural Resources Division of Oil, Gas and Mining 4241 State Office Building Salt Lake City, UT 84114

Attn: Mr. Ron Firth

Gentlemen:

Enclosed for your records are logs and other pertinent information on the following Meridian Oil Inc. wells:

Havasu Federal 41-24 San Juan County, Utah 24-38S-23E API # 43-037-31279

Havasu Federal 22-19 San Juan County, Utah 19-38S-24E API # 43-037-31278

Mavajo Federal 42-5 San Juan County, Utah 5-39S-25E API # 43-037-31261

Please hold this information confidential. If any additional information is required, please do not hesitate to contact us.

Kedards

Polly Eggemeyer

Exploration Secretary

pse

cc: Well File

C. L. Crawley

### TRANSMITTAL LETTER

CONFIDENTIAL

### RECORD OF SHIPMENT OF CONFIDENTIAL INFORMATION

TO: Utah Dept	. of Natural Resources	FROM: C. L. Crawley
Division	of Oil, Gas and Mining	Name
4241 Stat	e Office Building	Sr. Staff Geologist
Salt Lake	City, UT 84114	Title
<u> Attn: Mr</u>	. Ron Firth	DATE: December 2, 1986
		VIA: Mail
RE: <u>All inf</u>	ormation pertains to the	Navajo Federal 42-5, San Juan Co.,
<u>Utah, 5</u>	<u>-39S-25E / API 43-037-312</u>	261.
QUANTITY	DESCRIPTION	
1	Dual Laterolog — MSFL	GR / Run #1
1	Borehole Compensated S	Sonic - GR / Run #1
1	Synthetic Microlog / F	Run #1
1	<u>Lithodensity-Compensat</u>	ted Neutron / Run #1
1	Directional Survey / R	Run #1
1	Terra Services - Mud L	_og
1	Corelab - Core Report	
·		
TNSTRUCTTONS	Please acknowledge recei	ipt promptly by signing and returning
INOTROOTIONO.	the copy.	,po promposy by organica same recommissing
	· -	
promiser by.		DATE
RECEIVED DI:		DATE:
DEMANDIA AT	1 1.6	the Naurie Federal 42 5 Can Ture Co
***************************************	1 information pertains to	o the Navajo Federal 42-5, San Juan Co.,
114	r	

orm 3160-4 (November 1983) (formerly 9-330)

### DE

SUBMIT IN DUPLICE E.

Form approved.
Budget Bureau No. 1004-0137(
Expires August 31, 1985

ons on					
side)	5.	LEASE	DESIGNATION	AND	SERIAL

PARTMENT OF THE INTERIOR	structions on	5. LEASE DESIGNATION
BUREAU OF LAND MANAGEMENT	reverse side)	U-58728

WELL CO	MPLETION	I OD DE	COLADI	ETION	DEDOOT	ANID	1.00*	6. IF INDIAN.	ALLOTTEE OR TRIBE NAME
1a. TYPE OF WEL				ETION	REPORT	AND	LOG *	Navajo	121618
	WI		ELL	DRY	Other			7. UNIT AGREE	MENT NAME
b. TYPE OF COM		EP- [T] P	ting 📑	DIFF.	MIM	AFE		N/A	
WELL, A	OVER L EN		лск 🔲	RESVR.		MG.		S FARM OR LE	ASE NAME
2. NAME OF OPERAT					Me.		- 4	Navajo	
3. ADDRESS OF OPE		······································			THE DI	EC 1 5	5 1986 📆	9. WELL NO.	
P. O. Box 18		ngs, MT	59103		, *	_ `	, 1000 ·	42-5	POOL, OR WILDCAT
4. LOCATION OF WE			nd in accord	unce with a	ny State real	IWSIN	NOF	- Kiva	FOOL, OR WILDCAT
At surface	SENE (213				OIL,	GAS &	MINING	1	M., OR BLOCK AND SURVEY
At top prod. int	•	c	ame	,				OR AREA	,
								Section	n 5-39S-25E
At total depth	Same							_ -	
				. PERMIT NO		DATE IS		12. COUNTY OR PARISH	13. STATE
15. DATE SPUDDED	16. DATE T.D.			3-037-3			21-86	San Juan	
				rt. (Ready	to proa.)	. ELEVAT		, 11, 52, 510.,	19. ELEV. CASINGHEAD
9-16-86 20. TOTAL DEPTH, MD	9-29-	00   UG. BACK T.D		0-86	LTIPLE COMPL.	· · · · · · · · · · · · · · · · · · ·	4791 G	\	4811' KB
5782 <b>'</b>		5710 <b>'</b>	MD & 170	How	MANY*		DRILLED BY		CABLE TOOLS
24. PRODUCING INTER	LVAL(S), OF THIS		тор, вотт	OM. NAME (	N/A		<del></del>	l X	25. WAS DIRECTIONAL
	- 5471 <b>' (</b> U			· · · · · · · · · · · · · · · · · · ·	- 1	NITI	$\Lambda \Lambda I$	i a	SURVEY MADE
33	3.72 (0	PPCI IOM	, )	1-1	-17F	N = 1			Yes
26. TYPE ELECTRIC	NO OTHER LOGS	RUN	V. (	HH	HUH			2	7. WAS WELL CORED
DLL/MSFI	., CNL/LDT	, Sonic,	mul 1	יוטנ	The state of the s	Carlotte and the second			Yes
28.			CASING R	ECORD (Re	port all string	s set in u	oell)		
CASING SIZE	WEIGHT, LB.	/FT. DEP	TH SET (ME	) 110	OLE SIZE		CEMENTIN	G RECORD	AMOUNT PULLED
13-3/8	61		130'	17-	1/2	170	sx		None
8-5/8	24 &		,300'	11		500	sx	None	
5-1/2	17#		<b>,</b> 781'	7-	7/8	573 sx None			
29.	[	LIMED DE	7000						
SIZE	TOP (MD)	LINER REG	······································		1	30	····	TUBING RECOR	
N/A	101 (112)	3011031 (3	SACK	S CEMENT*	SCREEN (M		2-7/8	5710 T	PACKER SET (MD)
11/11		-						3710	
31. PERFORATION REC	ORD (Interval, s	ize and numi	per)		32.	ACID.	SHOT, FRAC	TURE, CEMENT :	SOUTETE ETC
					DEPTH (N				OF MATERIAL USED
5544 <b>' -</b> 5	5471' w/4	jspf			5544	- 547	1' 910	00 gal 15% l	Hc1
								8	
	·								
33.* DATE FIRST PRODUCTI	ioni I man	L'ORION MERC	07 (77		DUCTION	<del>,-</del> ,		· · · · · · · · · · · · · · · · · · ·	
	PROD			g, gan isjt, p	numping-size	ana type	of pump)	WELL ST shut-i	n) (Producing or
10-20-86	HOURS TESTED	Flowing		ROD'N, FOR	OIL-BBL.		GAS-MCF.	WATER-BBL.	Producing
		36/6	TE	ST PERIOD	220	1		1	GAS-OIL RATIO
10-20-86 rlow. Tubing Fress.	CASING PRESSU	RE   CALCUL	ATED OI	1,881,.	GAS-	MCF.	308	() RHBL.   0	1400:1
100 psi		24-нос	RRATE	220		308	1	0	40.2° @ 60°F/
34. DISPOSITION OF G.	AS (Sold, used fo	r fuel, vented	, etc.)			- 300		TEST WITNESS	
Flaring								Dave Ove	rgaard 💪
35. LIST OF ATTACHM	ENTS				<del></del>				12/U
									40,10
36. I hereby certify	that the foregoi	ng and attac	hed Informa	tion is com	plete and corr	ect as de	etermined from	n all available rec	ords
SIGNED	SACOLI	1/100	/	THE TO	Sr. Dri	11ing	Engineer	c	11/21/86
JIGHED		700		TITLE _				DATE _	,, 00
	√ *(Se	e Instructio	ns and Sp	aces for A	Additional [	Data or	n Reverse Si	de)	

		TRUE VERT, DEPTH		<b>-</b>		.:					n e in An e <b>t</b> erny	
GEOLOGIC MARKERS	TOP	MEAS, DEPTH	4430° 5420° 5480°	5550° 5580°	5660° 5710° 5730°							-
38. GEOL		NAME	Hermosa U. Ismay II Ismay	Shale Ismay	Desert Creek Desert Creek Chimney Rock				*2			
ones of porosity and contents thereof; cored intervals; and all nion used, time tool open, flowing and shut-in pressures, and	DESCRIPTION, CONTENTS, ETC.		N/A									
ow all important z erval tested, cusl	BOTTOM					÷						
ROUS ZONES: (Shackling depth into	TOP				:							
37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity drill-stem, tests, including depth interval tested, cushion used, time recoveries):	FORMATION	-										

1 m

Formerly 9–331) DEPARTM	UN ED STATES MENT OF THE INT U OF LAND MANAGEM			N 2003
SUNDRY NOTI	CES AND REPORT als to drill or to deepen or priON FOR PERMIT—" for st	S ON WELLS lug back to a different reservoir.	Navajo	OR TRIDE NAME
			7. UNIT AGREEMENT NAM	
WELL X WELL OTHER			N/A 8. FARM OR LEASE NAME	
			Navajo	'
Meridian Oil Inc.  B. ADDRESS OF OPERATOR		JAN TRIPEZ	9. WELL NO.	
P.O. Box 1855, Billings	s MT 59103		42~5	
i. LOCATION OF WELL (Report location cl. See also space 17 below.) At surface	early and in accordance with	OR. GAS & MENEYO	10. FIELD AND POOL, OR  Kiva  11. SEC., T., E., M., OR BL	
SENE (2130' FNL - 320'	FEL)		SURVEY OR AREA	
			Section 5-3	
14. PERMIT NO.	15. ELEVATIONS (Show wheth	ner DF, RT, GR, etc.)	12. COUNTY OR PARISH	
43-037-31261	4811' KB		San Juan	UT
6 Check Ap	propriate Box To Indica	ie Nature of Notice, Report, or	Other Data	
NOTICE OF INTENT	rion to:	SUBS	EQUENT REPORT OF:	
TEST WATER SHUT-OFF	CLL OR ALTER CASING	WATER SHUT-OFF	REPAIRING WE	ELL
	IULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CAS	IING
SHOOT OR ACIDIZE	BANDON*	SHOOTING OR ACIDIZING	ABANDONMENT	r•
REPAIR WELL	HANGE PLANS	(Other)	its of multiple completion or	n Well
(Other) Lay 3" Gas Sa		Completion or Recor	upletion Report and Log forn	<u>n.)</u>
Meridian Oil Inc. reques Section 5-T39S-R25E to will be placed in the have a minimum of 30" of volumes for royalty & monthly report of products.	tie into Koch's oright-of-way of the cover. Gas with revenue interest	gas line that they are he access road to the ll be measured on locat	laying. This pro 42-5 location. The tion to insure pro	oposed line he line wil oper sales
	•	and the second second		
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	I (Will		The same of the sa	,
	But the state of t	and the Control of th		
	and the second second			
18. I hereby certify that the foregoing is	true and correct	· · · · · · · · · · · · · · · · · · ·		
signed W. B. B. a.		Production Superintend	dent pare Janua	ary 9, 198
(W.G. Brown)				
(This space for Federal or State office	re use)			
APPROVED BY	NY:		DATE	

### \*See Instructions on Reverse Side

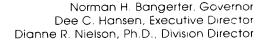
Form 3160-5 (November 1983)	94°,	Upp TED STAT		SUBMIT IN T	'R CATE	Form approved. Budget Bureau Expires August	
(Formerly 9-331)		<b>MENT OF THI</b> AU OF LAND MAI		OR verse side)	ctions on Pe-	5. LEASE DESIGNATION U-58728	
	DRY NOT	ICES AND RE	PORTS O		ervoir.	6. IF INDIAN, ALLOTTER Navajo	OR TRIBE NAME
1. OIL V GAS				-		7. UNIT AGREEMENT NA	NE IN I I U
2. NAME OF OPERATOR	OTHER					N/A 8. FARM OR LEASE NAM	i E
MERIDIAN OIL	INC.					Navajo	
3. ADDRESS OF OPERATOR		1m = 50100				9. WELL NO.	
P. O. Box 185. 4. LOCATION OF WELL (R.	eport location o			tate requirements.*		42-5 10. PIELD AND POOL, OF	WILDOW
See also space 17 belo At surface	₩.)	•				Kiva	WILDCAL
:	SENE (213	0' FNL - 320'	FEL)			11. SHC., T., R., M., OR B SURVEY OR ARMA	LK. AND
						Section 5-	39S-25E
14. PERMIT NO.		15. ELEVATIONS (Sh	•			12. COUNTY OR PARISH	1
43-037-31261		<u> </u>	4811' K			San Juan	Utah
16.		opropriate Box To	Indicate No	ature of Notice, I	Report, or O	ther Data	
N	OTICE OF INTER	ITION TO:	· ·		SUBSEQU	ENT REPORT OF:	
TEST WATER SHUT-OF FRACTURE TREAT		PULL OR ALTER CASIN MULTIPLE COMPLETE	1-1	WATER SHUT-O	ļ~~~	REPAIRING W	
SHOOT OR ACIDIZE		ABANDON*		SHOOTING OR		ABANDONMEN	[[
REPAIR WELL		CHANGE PLANS		(Other)	D	NTL-4A	X
(Other)  17. DESCRIBE PROPOSED OR  proposed work. If  nent to this work.) *	COMPLETED OFF	CRATIONS (Clearly statement) drilled, give su	te all pertinent ibsurface location	Completi	on or Recomple	of multiple completion etion Report and Log for including estimated date depths for all markers	m.)
	Permission	n to flare pr	oduced ga	s until the	sales lir	well to the gas ne is connected	
				•			
					REC MA	Y 0 6 1987	
					OI <b>L</b> . (	VISION OF BAS & MINING	
18. I hereby certify that the SIGNED	he foregoing is		TITLE Prod	uction Super	intendent	DATE 5-4	-87

### \*See Instructions on Reverse Side

DATE \_\_

TITLE \_

(This space for Federal or State office use)





355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

052202

May 19, 1987

Meridian Oil Inc. P.O.Box 1855 Billings, MT 59103

### Gentlemen:

### Re: Requests for Gas Flaring

The Division of Oil, Gas and Mining has received three sundry notices dated May 5, 1987, requesting approval to flare or vent gas from wells in the Kiva Field, San Juan County, Utah. The Division has determined that gas flaring from the subject wells can only be allowed as stated in Rule 311.3 of the Oil and Gas Conservation General Rules. Any gas flaring in excess of the rule must be considered by the Board of Oil, Gas and Mining.

After consultation with staff of the U. S. Bureau of Land Management in Moab, Utah, the Division has established its determinations regarding the referenced gas flaring. The Division's position concerning the three submitted sundry notices is discussed in the following paragraphs.

### Navajo Well No. 42-5:

By letter dated December 1, 1986, the Division approved temporary gas flaring from the well until February 1, 1987. This approval was reviewed with the Board and it was stipulated in the approval that any additional requests for flaring must be presented to the Board for approval. Rule 311.3 allows for venting or flaring up to 25 Mcf of gas per day without approval. The Division has determined that this amount is appropriate for the well and you are advised to present the matter to the Board if you desire further relief.

### Navajo-Federal Well No. 23-4:

Your request indicates that the average daily amount to be flared is 15.7 Mcf of gas per day. Again, in accordance with Rule 311.3, no approval is required for venting or flaring up to 25 Mcf of gas per day. Therefore, no action by the Division is necessary for this well. If you desire to flare additional volumes of gas, you are advised to present such request to the Board.

Page 2 Meridian Oil Inc. May 19, 1987

### Kiva Central Storage Facility:

It is the opinion of the Division that central production batteries should not be allowed to flare any more gas than would be allowed for the each of the individual wells which are connected to the battery. In this case, it appears from Division records that four separately producing wells are connected to the storage facility; therefore, according to Rule 311.3, each well may vent or flare up to 25 Mcf of gas per day or the flaring may occur at the storage facility up to 100 Mcf per day (four times 25 Mcf per day). Please note that flaring may not be conducted at both the wells and the storage facility in excess of the 25 Mcf per day per well limit. Additional flaring above these limits again must be presented to the Board.

It is also necessary to comply with federal regulations and the federal lease requirements concerning oil and gas operations. Therefore, you are advised to contact the appropriate federal agency and ensure that they do not object to the proposed gas flaring.

Please do not hesitate to contact this office if you have any additional questions. Thank you for your consideration in this matter.

Sincerely,

John R. Baza

Petroleum Engineer

cc: D. R. Nielson R. J. Firth Well files 0314T-32-33

· ·		ME	BUD COL		D
Form 3160-5 UNITED	STATES			Norm approved. Budget Bureau No.	1004-013
(November 1983) (Formerly 9-331)  DEPARTMENT OF	THE INTERI	OR Street Instruction	DO OR TE-	Expires August 31.	1985
BUREAU OF LAN	and the second s		1988	5-58728	, serial no
				T-30/20	TRIBE BAN
SUNDRY NOTICES AN	D REPORTS C	ON WELLSDIVISI	ON OF		
Use "APPLICATION FUR E	ERMIT—" for such pr	oposais.)	5 MINING	Navajo	
I. OIL CO CAR CO			7. 0	RIT AGREEMENT HAME	
WELL WELL OTHER		`		N/A	
Meridian Oil Inc.					
3. ADDRESS OF OPERATOR			9. ₩	Navajo	<del> </del>
P.O. Box 1855, Billings, MT	59103		-	42-5	
6. LOCATION OF WELL (Report location clearly and in See also space 17 below.)	accordance with any	State requirements.*		FIELD AND POOL, OR W	ILDCAT
SENE (2130' FNL - 32	20' FEL)			Kiva	
			11.	SEC., T., R., M., OR BLK. SURVEY OR ARMA	. AIG
			·		
14. PERMIT NO.   15. RIEVAT	ions (Show whether pr	et. ce. etc.)		Sec. 5-395-25	E STATE
l l	L' KB			_	
				n Juan	UT
Cneck Appropriate	sox to indicate N	lature of Notice, Re	port, or Other	Data	
NOTICE OF INTENTION TO:			SUBSEQUENT R	BFORT OF:	
TEST WATER SHUT-OFF PCLL OR ALTE	R CASING	WATER SEUT-OFF		REPAIRING WEL	
PRACTURE TREAT MULTIPLE CO.	M PI.ETE	FRACTURE TREAT	MENT	ALTERING CASIN	·•
RHUIT OR ACIDIZE ABANDON*		SHOOTING OR ACI	DIZING X	*TREMNOGRASA	]
REPAIR WELL CHANGE PLAN	s    ·	(Other)	port results of mu	ittple completion on Report and Log form.)	
Shut well in on 4-9-88. Acid		-	'-5544') wi	th 8000 gallo	ons
-					•
_					
				•	
•					
	•				
	•				
i i hereby ceftify that the foregoing is true and co	orrect				
SIGNED PONSCRIMON		roduction Engi	nee <b>r</b>	DATE 5-3-88	a
	TITLEP	LOGUCLION ENGIN	1561	DATE	
(This space for Federal or State office use)					
APPROVED BY	TITLE			DATE	
CONDITIONS OF APPROVAL, IF ANT:		•			

\*See Instructions on Reverse Side

FORM 9

# RECEIVED OCT 10 1989

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

DIVISION OF OIL, GAS & MINING	5. LEASE DESIGNATION & SERIAL NO. U 58728
SUNDRY NOTICES AND REPORTS ON WELLS  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  Use "APPLICATION FOR PERMIT—" for such proposals.)	6. IF INDIAN, ALLOTTEE OR TRIBE NAM
WELL WELL OTHER	7. UNIT AGREEMENT NAME
2 NAME OF OPERATOR MERIDIAN OIL INC.	N/A 8. FARM OR LEASE NAME
1601 Lewis, Ste. 208, Billings, MT 59102	Navajo 9. WELL NO.
4. LOCATION OF WELL (Report location clearly and in accordance with any State and	42-5 10. FIELD AND POOL, OR WILDCAT
	Kiva 11. SEC., T. R., M., OR BLK, AND SURVEY OR AREA
43-037-31201 4811 KB	Sec. 5-39S-25E  12 COUNTY   13. STATE  San Juan   UT
Check Appropriate Box To Indicate Nature of Notice, Report or Othe	r Data
TEST WATER SHUT-OFF FRACTURE TREAT SHOOT OR ACIDIZE REPAIR WELL GOTHER G	REPAIRING WELL ALTERING CASING ABANDONMENT* Flaring multiple completion on Well letion Report and Log form.)
On September 27, 28, 29 and 30, a total volume of flared at the 42-5 battery due to high line pressures.	sied by a cement verification report.
OIL AND	
JRB DTS	GLH
	SLS
&-TAS	v _
3- MICROF	ILM V
signed Will Belever Title Production Superintenden	t 10/6/89
(This space for Federal or State office use)  APPROVED BY	DATE

Form 3160-5 December 1989

UNITED STATES

DEPARTMENT OF THE INTERIOR OF DEPARTMENT OF THE INTERIOR OF DEPARTMENT

WIT IN TRIPLICATE

FORM APPROVED Budget Bureau No. 1004-0135 Expires September 30, 1990

5. Lease Designation and Serial No. 83687U6890

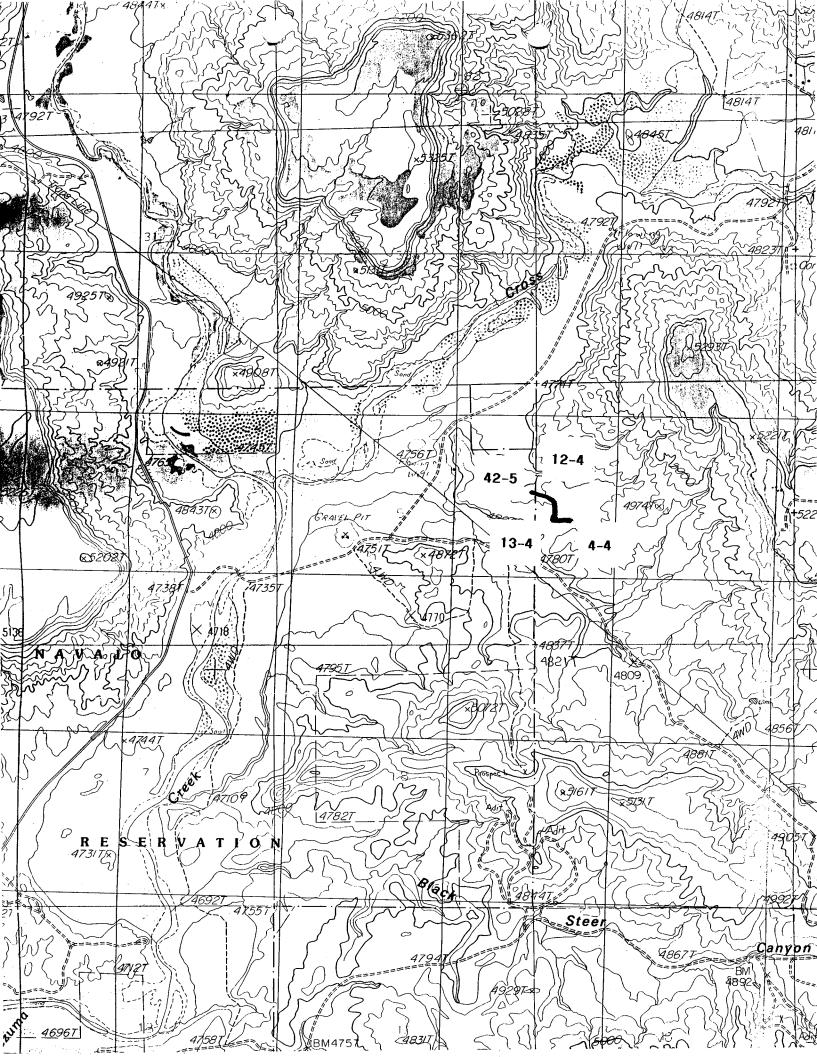
BUREAU OF LAND MANAGEMENT	83687U6890
SUNDRY NOTICES AND REPORTS ON VELLS 11 91 CT.  Do not use this form for proposals to drill or to deepen or re-entry to	6. If Indian, Allottee or Tribe Name
Do not use this form for proposals to drill or to deepen or re-entry to	
fferent reservoir. Use "Application for Permit: for such proposals.	7. If Unit or CA, Agreement Designation
Type of Well Oil XX Gas Other	
Name of Operator	8. Well Name and No.
Mendian Oil Inc.	Navajo Federal 42-5
Address and Telephone No.	9. API Well No.
5613 DTC Parkway, Englewood, CO 80111 (303) 930-9300	43-037-31261
Location of Well (Footage, Sec., T.R.M. or Survery Description)	10. Field and Pool, Exploratory Area Kiva Upper Ismay
	11. County or Parish, State
NE 2130' FNL - 320' FEL	San Juan, Utah
. 5, T39S, R25E	
CHECK APPROPRIATE BOX (S) TO INDICATE NATUR	E OF NOTICE, REPORT, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTION
Notice of Intent Abandonment	Change of Plans
Recompletion	New Construction
X Subsequent Report Plugging Back	Non-Routine Fracturing
Casing Repair	Water Shut-Off
Final Abandonment Altering Casing	Conversion to Injection
X Other Acid Fr	ac Producer
Mass. P	Report results of multiple completion on mpletion or Recompletion Report and Log
Well Co	Implement of Recomplement report man and
Well Conform.)	impleasing of Recompleasing Report and 200
Well Conform.)  Described Proposed or Completed Operations (Clearly state all pertinenting any proposed work. If well is directionally drilled, give subsurface arkers and zones pertinent to this work.)*	or decails and give pertinent dates including estimated date of
Well Conform.)  Described Proposed or Completed Operations (Clearly state all pertinenting any proposed work. If well is directionally drilled, give subsurface arkers and zones pertinent to this work.)*	ont details and give pertinent dates including estimated date of clocations and measured and true vertical depting in PLAN OIL
Well Conform.)  Described Proposed or Completed Operations (Clearly state all pertinering any proposed work. If well is directionally drilled, give subsurface arkers and zones pertinent to this work.)*  Ompleted operations 11/19/92 to 11/26/92  Pickle tbg with 700 gals DAD acid.  Acidize Ismay Perfs 5471 - 5541 through SAP tool in 2' intervals and Acid frac Ismay down 3 1/2" tbg with 15,000 gals 28% DGA following four stages. Avg. rate: 20 BPM Avg. P: 5800 PSI. ISIP: 2890	ent details and give pertinent dates including estimated date of elocations and measured and true vertical deptimental of pertinent dates including estimated date of elocations and measured and true vertical deptimental of pertinent dates including estimated date of elocations and measured and true vertical deptimental of pertinent dates including estimated date of elocations and measured and true vertical deptimental of pertinent dates including estimated date of elocations and measured and true vertical deptimental of pertinent dates including estimated date of elocations and measured and true vertical deptimental of pertinent dates including estimated date of elocations and measured and true vertical deptimental of pertinent dates including estimated date of elocations and measured and true vertical deptimental of pertinent dates including estimated date of elocations and measured and true vertical deptimental of pertinent dates including estimated date of elocations and measured and true vertical deptimental of pertinent dates including estimated date of elocations and measured and true vertical deptimental of pertinent dates including estimated dates including estimated dates of elocations and elocations are elocated and elocated
Well Conform.)  Described Proposed or Completed Operations (Clearly state all pertinerating any proposed work. If well is directionally drilled, give subsurface arkers and zones pertinent to this work.)*  ompleted operations 11/19/92 to 11/26/92  Pickle tbg with 700 gals DAD acid. Acidize Ismay Perfs 5471 - 5541 through SAP tool in 2' intervals and Acid frac Ismay down 3 1/2" tbg with 15,000 gals 28% DGA followin four stages. Avg. rate: 20 BPM Avg. P: 5800 PSI. ISIP: 2890 RWTP.	ent details and give pertinent dates including estimated date of elocations and measured and true vertical deptimental of FEB 03 1  DRILLING With 50 gals/ft DAD acid.  Description of the property of the pro
Well Conform.)  Described Proposed or Completed Operations (Clearly state all pertinerating any proposed work. If well is directionally drilled, give subsurface arkers and zones pertinent to this work.)*  ompleted operations 11/19/92 to 11/26/92  Pickle tbg with 700 gals DAD acid. Acidize Ismay Perfs 5471 - 5541 through SAP tool in 2' intervals and Acid frac Ismay down 3 1/2" tbg with 15,000 gals 28% DGA followin four stages. Avg. rate: 20 BPM Avg. P: 5800 PSI. ISIP: 2890 RWTP.  4. I hereby certify that the foregoing is true and correct.	ont details and give pertinent dates including estimated date of elocations and measured and true vertical deptimental of FEB 03 1 DRILLIN DEPTIMENT OF THE PROPERTY OF THE PR
Well Conform.)  Described Proposed or Completed Operations (Clearly state all pertinenting any proposed work. If well is directionally drilled, give subsurface arkers and zones pertinent to this work.)*  Ompleted operations 11/19/92 to 11/26/92  Pickle tbg with 700 gals DAD acid.  Acidize Ismay Perfs 5471 - 5541 through SAP tool in 2' intervals a Acid frac Ismay down 3 1/2" tbg with 15,000 gals 28% DGA followin four stages. Avg. rate: 20 BPM Avg. P: 5800 PSI. ISIP: 2890 RWTP.  4. I hereby certify that the foregoing is true and correct.  Igned Karen F. Riley	with 50 gals/ft DAD acid.  wed by 100,000 gals WF-140 and 60, 000 gals 28% SXE of PSI. SIFN.  January 27, 1993
Well Conform.)  Described Proposed or Completed Operations (Clearly state all pertinenting any proposed work. If well is directionally drilled, give subsurface arkers and zones pertinent to this work.)*  Ompleted operations 11/19/92 to 11/26/92  Pickle tbg with 700 gals DAD acid.  Acidize Ismay Perfs 5471 - 5541 through SAP tool in 2' intervals a Acid frac Ismay down 3 1/2" tbg with 15,000 gals 28% DGA followin four stages. Avg. rate: 20 BPM Avg. P: 5800 PSI. ISIP: 2890 RWTP.  4. I hereby certify that the foregoing is true and correct.  Igned Karen F. Riley	part details and give pertinent dates including estimated date of elocations and measured and true vertical depthy and plan of the locations and measured and true vertical depthy and plan of the locations and measured and true vertical depthy and plan of the locations and measured and true vertical depthy and plan of the locations and measured and true vertical depthy and plan of the locations and measured and true vertical depthy and plan of the locations and measured and true vertical depthy and plan of the locations and measured and true vertical depthy and plan of the locations and measured and true vertical depthy and location of the locations and measured and true vertical depthy and locations and measured and true vertical depthy and location of the locations and measured and true vertical depthy and location of the locations and measured and true vertical depthy and location of the locatio

Form 3160-5 (June 1990)

## UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

	E G	الي	A	3		FORM APPROVED
		4	1005	- Steen		dget Bureau No. 1004-0135 Expires: March 31, 1993
IJ	MAR	-	1990	5	Lease	Designation and Serial No. UTU-58728

	Cond Wash	UTU-58728				
Do not use this form for proposals to d	AND REPORTS ON WELLS  rill or to deepen or reentry to Divider Oil reason  R PERMIT—" for such proposals	6. If Indian, Allottee or Tribe Name				
SUBMI	IN TRIPLICATE	7. If Unit or CA, Agreement Designation				
i. Type of Well  Gas Well Well Other	·	8. Well Name and No.				
Meridian Oil, Inc.	(303) 930-9393	9. API Well No.				
5613 DTC Parkway, Engle		10. Field and Pool, or Exploratory Area				
		11. County or Parish, State San Juan, Ut.				
BHL: N/A						
12. CHECK APPROPRIATE BOX						
TYPE OF SUBMISSION	TYPE OF ACTIO					
Notice of Intent  Subsequent Report  Final Abandonment Notice	Abandonment Recompletion Plugging Back Casing Repair Altering Casing Other Pipeline	Change of Plans  New Construction  Non-Routine Fracturing  Water Shut-Off  Conversion to Injection  Dispose Water  (Note: Report results of multiple comp. Well				
12. Persilla Decemed on Completed Operations (Clearly state a	pertinent details and give pertinent dates, including estimated date of start	Completion or Recompletion Report and corm.)				
Have changed pipeline route well has not been drilled. Insturn east and parallel road a length will be ≈1,750' (≈50' All archaeologically inspected	from that described in Sundry dated tead of turning west and south to 450' to 4-4 well. All of pipeline is longer than before).  d under LaPlata reports 8612 (w	the 13-4, pipeline will still within unit. Total				
	Accepted by the Utah Division of Oil, Gas and Mining					
Type of Well   Green   Green						
14. I hereby certify that the foregoing is true and correct Signed		<b></b>				
(This space for Federal or State office use)            Approved by Conditions of approval, if any:	Title	Date				



		* .
Form 3160-5 (June 1990)	UNITED STATES DEPARTMENT OF THE INTERIOR	FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993
not use this form	BUREAU OF LAND MANAGEMENT  JNDRY NOTICES AND REPORTS ON WELLS for proposals to drill or to deepen or reentry to a "APPLICATION FOR PERMIT—" for such proposa	5. Lease Designation and Serial No. 28  6. If Indian, Allottee or Tribe Na. 7
	SUBMIT IN TRIPLICATE	7. If Unit or CA, Agreement Designation (CA)
1. Type of Well  Gas Well Well  Name of Operator	Other (303) 930	8. Well Name and No. 42-5
	rkway, Englewood, Co. 80111-30	9. API Well No. 43-037-31261
	c., T., R., M., or Survey Description)	II. County Sanish, Juan, Ut.
BHL: N/A	PROPRIATE BOX(s) TO INDICATE NATURE O	F NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

Final Abandonment Notice

Subsequent Report

(Note: Report results of multiple completions of Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Abandonment

Recompletion

Plugging Back

TYPE OF ACTION

Change of Plans

New Construction

Non-Routine Fracturing

Conversion to Injection

Will change BLM portion of pipeline from steel to plastic. No change on Navajo portion (i.e., remains steel since BIA is requiring it to be laid on the surface).

Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY	MAY 25 1995  DIV. OF OIL, GAS & WINING	cc: BLM, Dey, U
14. Pereby certify that the foregoing is true and correct Signed	Consultant (505) 466-8120	5-22 )
(This space for Federal or State office use)	Title	Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

### STATE OF UTAH WISION OF OIL, GAS AND MINING

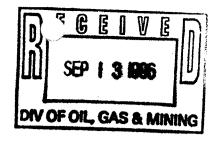
1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801

Page 2 of 2

### MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:					N7220		
			UTA	H ACCOUNT NUMBI	ER:		
MARALENE SPAWN MERIDIAN OIL INC PO BOX 3209		report period (month/year): 7 / 96					
ENGLEWOOD CO 80155-32	09		AME	ENDED REPORT (	Highlight Changes	)	
Well Name	Producing	Well	Days		D. L. C. T. L.		
API Number Entity Location	Zone	Status	Oper	OIL(BBL)	Production Volumes GAS(MCF)		
√ARABIAN FEDERAL #3	NESW	/	- Gree	<u> </u>	<del></del>	WATER(BBL)	
4303731287 10654 38S 24E 19 VHAVASU FEDERAL 12-19				U56186	Kachina Unit		
4303731457 10654 38S 24E 19 HAVASU FEDERAL 12-19A	ISMY	İ		U56186	KechineUnit		
4303731459 10654 38S 24E 19 ✓NAVAJO FEDERAL 42-5	SWNW L ISMY			1156186	Kechinellnit		
4303731261 10655 39S 25E 5 NAVAJO FEDERAL 41-5	SENE , ISMY			U58728	Kiva Cupper me		
4303731358 10810 395 25E 5 INDIAN CREEK 14176 #1	NENE U			U 57895	Kira/Non P.A.		
4201530091 10907 175 06E 14 NOCK-FEDERAL 21-33	FRSD			115202	Kira/Non P.A. E.min.II Unit ( Bannock Unit	9-16-94 Invelidated	
4503731425 10923 38S 24E 33	ISMY			U40361	Bannock Unit		
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ereoy certify that this report is true and complete to the	ne best of my	knowledge.		Da	te:		
ne and Signature:				T	elephone Number:		
(93)							

### MERIDIAN OIL



September 10, 1996

State of Utah
Division of Oil, Gas and Mining
355 1594 West North Temple
Salt Lake City, UT 84180

Re:

Name Change from Meridian Oil Inc. to

Burlington Resources Oil & Gas Co.

Gentlemen:

Please be advised effective July 11, 1996 Meridian Oil Inc. changed their name and address to:

Burlington Resources Oil & Gas Co. 3300 North "A" St., Bldg. 6 Midland, TX 79710-1810

Please see the attached list of wells that Burlington Resources operates in the State of Utah. If you should have any questions, please contact me at (303) 930-9393 or after September 30th at (915) 688-6800.

Sincerely,

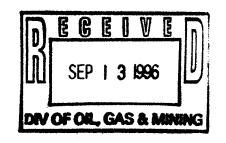
BURLINGTON RESOURCES OIL & GAS CO.

Eileen Danni Dey

Senior Regulatory Compliance Representative

Enclosure

FIELD BANNOCK	WELL NAME BANNOCK FEDERAL	WELL NO		COUNTY	OCATIO	SEC	TWN	RGE	API NUMBER	FEDERAL LEASE NUMBER	STATE CONTROL NO.
ĆEDAR MOUNTAIN	EAST CANYON UNIT	21-33 33-18	ISMAY	SAN JUAN	NENW	33	0388	024E	43-037-3142500	UTU60786A	10923
EAST MOUNTAIN	EAST MOUNTAIN FEDERAL	13-35	CEDAR MOUNTAIN	GRAND	NWSE	18	016S	025E	43-019-1620300	UTU05059	9515
EAST MOUNTAIN	EAST MOUNTAIN FEDERAL	32-23	FERRON	EMERY	NWSW	35	016S	006E	43-015-3023000	57287U6920	10789
FERRON	INDIAN CREEK UNIT	32-23	FERRON	EMERY	SWNE	23	016S	006E	43-015-3023100	57287U6920	11075
FERRON	INDIAN CREEK UNIT	3	FERRON	EMERY	SWNW	02	0178	006E	43-015-3008200	57287U6920	02585
FERRON	INDIAN CREEK UNIT 10176	5	FERRON	EMERY	SWSW	02	0178	006E	43-015- <del>310750</del> 0	57287U6920 30	75 02585
FERRON	INDIAN CREEK UNIT 14176	2	FERRON	EMERY	SENE	10	0178	006E	43-015-3011700	57287U6920	02585
KACHINA	ARABIAN FEDERAL (\(\Omega(\omega)\)	2	FERRON ISMAY	EMERY	SWNE	14	0178	006E	43-015-3009100	UTU15202	10907
KACHINA	ARABIAN FEDERAL	2	ISMAY	SAN JUAN	NWSW	19	038S	024E	43-037-3128200	UTU56186	10654
KACHINA	HAVASU FEDERAL (ω;ω)	11-19		SAN JUAN	NESW	19	0388	024E	43-037-3128700	UTU56186	10654
KACHINA	HAVASU FEDERAL	12-19	UPPER ISMAY	SAN JUAN	NWNW	19	0388	024E	43-037-3145800	UTU56186	10654
CHINA	HAVASU FEDERAL	12-19A	UPPER ISMAY	SAN JUAN	SWNW	19	0388	024E	43-037-3145700	UTU56186	10654
KACHINA	HAVASU FEDERAL	22-19	ISMAY	SAN JUAN	SWNW	19	0388	024E	43-037-3145900	UTU56186	10654
KACHINA	HAVASU FEDERAL		UPPER ISMAY	SAN JUAN	SENW	19	0388	024E	43-037-3127800	UTU56186	10654
KACHINA	HAVASU FEDERAL (WIW)		UPPER ISMAY	SAN JUAN	NENE	24	0388	023E	43-037-3127900	UTU20895	10654
KACHINA	WASH UNIT (WSW)		UPPER ISMAY CUTLER	SAN JUAN	SENE	24	0388	023E	43-037-3129800	UTU20895	10654
KÍVA (DESERT CREEK)	NAVAJO FEDERAL			SAN JUAN	SESE	13	0388	023E	43-037-3132400	UTU20894	10654
KÍVA (UPPER ISMAY)	KIVA FEDERAL		DESERT CREEK ISMAY	SAN JUAN	NENE	05	0398	025E	43-037 <del>-2542100</del>	UTU57895 <i>313</i> .	58 10810
KIVA (UPPER ISMAY)	NAVAJO FEDERAL (ωίω)		ISMAY	SAN JUAN	SESW	04	0398	025E	43-037-3174500	83687U6890	09975
KIYA (UPPER ISMAY)	NAVAJO FEDERAL (WW)		ISMAY	SAN JUAN	SWNW	04	039S	025E	43-037-3139500	83687U6890	09975
KIVA (UPPER ISMAY)	NAVAJO FEDERAL ( WW)		ISMAY	SAN JUAN	SWSW	04	0398	025E	43-037-3132100	83687U6890	09975
KÍVA (UPPER ISMAY)	NAVAJO FEDERAL (ωιω)		UPPER ISMAY	SAN JUAN	NENW	09	0398	025E	43-037-3126700	83687U6890	09975
KIVA (UPPER ISMAY)	NAVAJO FEDERAL	········	ISMAY	SAN JUAN	NESW	04	039S	025E	43-037-3125900	83687U6890	09975
KÍVA (UPPER ISMAY)	NAVAJO FEDERAL		ISMAY	SAN JUAN	SWSE	04	0398	025E	43-037-3116100	83687U6890	09975
KIVA (UPPER ISMAY)	NAVAJO FEDERAL		······································	SAN JUAN	NWSW	04	039S	025E	43-037-3117900	83687U6890	09975
KIVA (UPPER ISMAY)	NAVAJO FEDERAL / いらい	······	UPPER ISMAY	SAN JUAN	SENE	05	039S	025E	43-037-3126100	83687U6890	10655
KÍVA (UPPER ISMAY)	NAVAJO FEDERAL	•••••••••••••••••••••••••••••••••••••••	WINGATE/CUTLER	SAN JUAN	SENE	09	039S	025E	43-037-3126300	83687U6890	09975
KÍVA (UPPER ISMAY)	NAVAJO FEDERAL (WIW)	•••••••••••••••••••••••••••••••••••••••	UPPER ISMAY	SAN JUAN	NWNE	09	0398	025E	43-037-3100100	83687U6890	09975
KÍVA (UPPER ISMAY)	NAVAJO FEDERAL (WIW)	*******	ISMAY	SAN JUAN	SESW	04	0398	025E	43-037-3111200	83687U6890	09975
MON MESA	HATCH POINT FEDERAL	······································	ISMAY	SAN JUAN	NWSW	05	0398	025E	43-037-3131700	83687U6890	09975
T. LADOTE	HATCH FOINT FEDERAL	27-1A	CANE CREEK	SAN JUAN	NEŚW	27	027S	021E	43-037-3051800	8910184250	02815

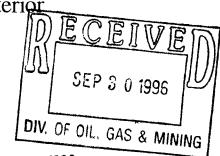




United States Department of the Interior

### BUREAU OF LAND MANAGEMENT

Utah State Office P.O. Box 45155 Salt Lake City, UT 84145-0155



In Reply Refer To 3100 SL-071010C (UT-932)

SEP 2 3 1995

### NOTICE

Burlington Resources Oil & Gas Company

801 Cherry Street, Suite 900

Fort Worth, Texas 76102

Oil and Gas

SL-071010C

### Corporate Name Change Recognized

Acceptable evidence has been filed in this office concerning the corporate name change from Meridian Oil Inc. to Burlington Resources Oil & Gas Company.

For our purposes, the name change is recognized effective July 12, 1996, the date the Secretary of State of Delaware certified the name change.

The oil and gas lease files identified on the enclosed exhibit have been noted as to the name change. We are notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice. If additional documentation for changes of operator are required by our field offices, you will be contacted by them.

A rider to Bond No. 400IA9059 (BLM Bond No. MT0719) has been accepted by the Montana State office as of September 16, 1996, its date of receipt. The rider changed the name on the bond from Meridian Oil Inc. to Burlington Resources Oil & Gas Company.

### ROBERT LOPEZ

Robert Lopez
Group Leader,
Minerals Adjudication Group

**Enclosure** 

Exhibit (1 p)

cc:

MMS, Data Management Division, P.O. Box 5860, MS 3113, Denver, Colorado 80217

Moab District Office Vernal District Office

bc:

State of Utah, ATTN: Lisha Cordova, Division of Oil, Gas and Mining, P.O. Box 145801,

Salt Lake City, Utah 84114-5801

Teresa Thompson (UT-931) Irene Anderson (UT-932)

## **Exhibit of Leases Affected**

OPERATOR CHANGE DOCUMENTATION  1. (r649-8-10) Sundry or other legal documentation has been received from the FORMER operator (attach to this form). (h. d q-13-16)  1. (r649-8-10) Sundry or other legal documentation has been received from the NEW operator (Attach to this form). (h. d q-13-16)  1. (r649-8-10) Sundry or other legal documentation has been received from the NEW operator (Attach to this form). (h. d q-13-16)  1. (r649-8-10) Sundry or other legal documentation has been received from the NEW operator (Attach to this form). (h. d q-13-16)  1. (r649-8-10) Sundry or other legal documentation has been received from the NEW operator (Attach to this form). (h. d q-13-16)  1. (r649-8-10) Sundry or other legal documentation has been received from the NEW operator (Attach to this form). (h. d q-13-16)  1. (r649-8-10) Sundry or other legal documentation has been received from the NEW operator (Attach to this form). (h. d q-13-16)  1. (r649-8-10) Sundry or other legal documentation has been received from the NEW operator (Attach to this form). (h. d q-13-16)  1. (r649-8-10) Sundry or other legal documentation has been received from the NEW operator (Attach to this form). (h. d q-13-16)  1. (r649-8-10) Sundry or other legal documentation has been received from the NEW operator (Attach to this form). (h. d q-13-16)  1. (r649-8-10) Sundry or other legal documentation has been received from the NEW operator (Attach to this form). (h. d q-13-16)  1. (r649-8-10) Sundry or other legal documentation has been received from the NEW operator (Attach to this form). (h. d q-13-16)  1. (r649-8-10) Sundry or other legal documentation has been received from the NEW operator (Attach to this form). (h. d q-13-16)  1. (r649-8-10) Sundry or other legal documentation has been received from the NEW operator (Attach to this form). (h. d q-13-16)  1. (r649-8-10) Sundry or other legal documentation has been received from the NEW operator (Attach to this form). (h. d q-13-16)  1. (r649-8-10) Sundry or other legal documentation has been re	OPER	ATOR CHANGE WORKSHEET	· [	1-LEC	6-1000
Attach all documentation received by the division regarding this change.  Initial each listed item when completed. Write N/A if item is not applicable.  **EXIX** Change of Operator (well-soft)				2-GL/1-2	7-KDR 🗸
The operator of the well(s) listed below has changed, effective: 7-11-96  To: (new operator) BURLINGTON RESOURCES OSG CO. (address) 3300 N "A" ST BLDG 6 MIDLAND TX 79710-1810 ELILEM DANNI DEY Phone: (915)688-6800 Account no. N1670  WELL(S) attach additional page if needed: **KACHINA, KIVA, FAST MOUNTAIN, BARNOCK UNIT'S  Name: API: Builty: S T R Lease: Name: API: Builty: S T R Lease: Builty: Buil	Attach	all documentation received by the division regarding this change.			∕8-SJ √
Designation of Operator   Designation of Agent	Initial o	ach listed item when completed. Write N/A if item is not applicable.		4-VLD	9-FILE
The operator of the well(s) listed below has changed, effective: 7-11-96  TO: (new operator) BURLINGTON RESOURCES OGC CO. (address) 3200 N "A" ST BLDC 6 MIDLAND TX 79710-1810 EILEEN DANNI DEY Phone: (915)688-6800 Account no. N7670  WELL(S) attach additional page if needed:  ***ACHINA, KIVA, EAST MOUNTAIN, RANNOCK UNIT'S  ***ACHINA, KIVA, EAST MOUNTAIN, EAST MOUNTAIN, EAST MOUNTAIN, EAST MOUNTAIN, EAST MOUNTAIN,				5-RJF	
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MIDLAND TX 79710-1810   EILEM DANNI DEY   Phone: (915)688-6800   Phone: (303)930-9393   Account no. N7670   Account no. N7230	10: (пе				
EILEEN DANNI DEY Phone: (915)688-6800 Account no. N7670  WELL(S) attach additional page if needed:  **KACHINA, KIVA, EAST MOUNTAIN, BANNOCK UNIT'S  **WACHINA, KIVA, EAST MOUNTAIN, BANNOCK UNIT'S  **WACHINA, KIVA, EAST MOUNTAIN, BANNOCK UNIT'S  **Name:		, , , , , , , , , , , , , , , , , , , ,			155 2200
Phone: (915)688-6800 Account no. N7670 Account no. N7670 Account no. N7670  WELL(S) attach additional page if needed:  *KACHINA, KIVA, EAST MOUNTAIN, BANNOCK UNIT'S  Name: **SEE AFTACHED** API: Entity: S T R Lease: Name: API: Entity: S T R R Lease: Name: API: API: API: API: API: API: API: API					
Account no. N7670   Account no. N7230					
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Name: API: Entity: S T R Lease: Name: Na		Account no. N/6/U	Accoun	t no. <u><b>N7230</b></u>	
Name: API: Entity: S T R Lease: Name: Na	WEI I	C) *KACHINA KIVA FAST MOIINTAIN	RANN	OCK INTTIC	
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The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is the company registered with the state? (yes/no) If yes, show company file number: #010513 (EH. 1-29-87)  4. FOR INDIAN AND FEDERAL WELLS ONLY. The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of Federal and Indian well operator changes should ordinarily take place prior to the division's approval, and before the completion of steps 5 through 9 below.  (E. W.C. Program)  6. Changes have been entered in the Oil and Gas Information System (3270) for each well listed above. (10-3-96)  4. Well file labels have been updated for each well listed above. (10-3-96)  8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. (10-3-96)  4. Complete the company registered with the state? (yes/no) If yes, show company file number: #010513	<u> </u>	to this form). (1.1/4.12.9/.)	om me	NEW opera	ior (Attaci
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completion of steps 5 through 9 below.  (E. LIC Program)  Changes have been entered in the Oil and Gas Information System (3270) for each well listed above.  (10-3-96)  6. Cardex file has been updated for each well listed above. (10-3-96)  Well file labels have been updated for each well listed above. (10-3-96)  Lec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. (10-3-96)  Lec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there		operator changes should ordinarily take place prior to the division	's app	roval, and	before the
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Lec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there	per 8.	distribution to Trust Lands Soversian Lands 1105 Tour Commission to Trust Lands Soversian Lands 1105 Tour Commission to Trust Lands 1105 Tour Commission to Tour Commission to Trust Lands 1105 Tour Commission to Tour Commissi	Accou	nt Changes"	memo tor
<u>Lic</u> 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents	1	distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, 6	ic. (/6	-3-96)	
for reference during routing and processing of the original documents	Lec 9.	A folder has been set up for the Operator Change file, and a copy of the	is nage	has been ni	aced there
g g r m ongmen doubles.		for reference during routing and processing of the original documents.	Pu20	nao ovon pr	

Division of Oil, Gas and Mining

OPERATO	OR CHANGE WORKSHEET (conled) - Initial each item when completed. WN/A if item is not applicable.
ENTITY	REVIEW
Lec 1.	(r649-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) If entity assignments were changed, attach copies of Form 6, Entity Action Form.
<u>N/A</u> 2.	Trust Lands, Sovereign Lands, Tax Commission, etc., have been notified through normal procedures of entity changes.
4	VERIFICATION - (FEE WELLS ONLY) #961002 "Rider" 80,000 to Burlington redd by Trust Lands admin.
<u>Le</u> 1.	(r649-3-1) The NEW operator of any-fee lease well listed above has furnished a proper bond.
<u>NA</u> 2.	A copy of this form has been placed in the new and former operator's bond files.
<u>N/A</u> 3.	The FORMER operator has requested a release of liability from their bond (yes/no), as of today's date If yes, division response was made to this request by letter dated
013	Copies of documents have been sent on to at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
FILMIN	$\mathbf{G}$
<u>\$\psi_1\$</u> 1.	All attachments to this form have been microfilmed. Today's date: 12-27-96.
FILING	
1.	Copies of all attachments to this form have been filed in each well file.
	The original of this form, and the original attachments are now being filed in the Operator Change file.
СОММЕ	ENTS

1 ... 1.

#### STATE OF UTAH

D\_ISION OF OIL, GAS AND MINING

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801

Page 1 of 1

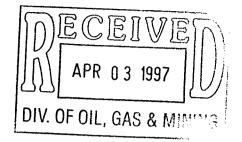
# MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:			UTAI	H ACCOUNT NUMBE	<sub>r:</sub> N7670						
MARALENE SPAWN BURLINGTON RESOURCES OF 3300 N A ST BLDG 6 MIDLAND TX 79710-1810		REPORT PERIOD (MONTH/YEAR): 4 / 97									
			AMENDED REPORT (Highlight Changes)								
ell Name	Producing	Well	Days		Production Volumes						
Pl Number Entity Location	Zone	Status	Oper	OIL(BBL)	GAS(MCF)	WATER(BBL)					
INDIAN CREEK #1 4301530082 02585 175 06E 2	FRSD			m L 27626							
INDIAN CREEK 10176-5 4301530117 02585 17S 06E 10 INDIAN CREEK UNIT 021762-3	FRSD			K15203	E mfn.l	thit					
4301530175 02585 175 06E 2 13-35 EMU HRE FEDERAL	FRSD			U15204							
4301530230 02585 16S 06E 35 E MOUNTAIN UNIT 32-23	FRSD	<del></del>		U56933							
4301530231 02585 16S 06E 23 NAVAJO (EEDERAL 9-1)	FRSD			417024	/						
4303731001 09975 395 25E 9 AJO FEDERAL 4-2/	ISMY			U 52333							
1303731161 09975 395 25E 4 NAVAJO: FEDERAL #4-47	ISMY			11 52333							
+303731179 09975 39S 25E 4 24=4=K1VA FEDERAL	ISMY			U52333	) Kivel	Upper Ismay)					
1303731745 09975 39S 25E 4	ISMY			452333							
1303731261 10655 39S 25E 5	ISMY			U 58728 1							
1303731425 10923 38S 24E 33	ISMY			U40361	Bannock-Unit						
		•	TOTALS								
IMENTS:											
		<u></u>									
				Λ							
					<u> </u>						
coy certify that this report is true and complete to t	he best of my	knowledge.		Da	te:						
and Signature:				т	elephone Number:						
* .											

#### MERIT ENERGY COMPANY

12222 MERIT DRIVE, SUITE 1500 DALLAS, TEXAS 75251 (972) 701-8377 (972) 960-1252 Fax





Utah Division of Oil, Gas and Mining Attn: Ms. Lisha Cordova 1594 West North Temple Suite 1210 Salt Lake City, Utah 84114

RE:

Change of Operator to Merit Energy Company

**Emery and San Juan County** 

Dear Ms. Cordova:

Enclosed please find a copy of Form 3160 executed by both parties, Merit Energy and Burlington Resources.

If additional information or forms are required to process this transaction, please contact me at 972-701-8377.

Yours very truly,

MERIT ENERGY COMPANY

Martha J. Rogers

Manager, Regulatory Affairs

Form 3160-5 (June 1990)

# UNITED STATES DEPARTMENT OF THE INTERIOR RUBEAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1993

MINE

DUREAU O	r Land Managemen I	Exparts March 31, 1775
CTIMEDAL MORKO		5. Lease Designation and Serial No.
Do not use this form for proposals to drill or to	ES AND REPORTS ON WELLS	
	PERMIT-" for such proposals.	6. If Indian, Allottee or Tribe Name
OSC PHILIDANION TORY	Litter 1 of such proposals.	o. If findian, Another of Tribe Name
SUBMIT IN	TRIPLICATE	7. If Unit or CA, Agreement Designation
1. Type of Well	83687U6890	
X Oil Well Gas	6500700070	
2. Name of Operator	Well Other	8. Well Name and No.
MERIT ENERGY COMPANY		NAVAJO FEDERAL 42-5
3. Address and Telephone No (972) 701-837		9. API Well No.
12222 MERIT DRIVE, DALLAS, TX 752		43,037,3126100
4. Location of Well (Footage, Sec., T., R., M.	or Survey Description)	10. Field and Pool, or Exploratory Area
2130' FNL - 320' FEL , SENE		KIVA (UPPER ISMAY) ,ISMAY
05 039S 025E, SLM		11. County or Parish, State
12. CHECK APPROPRIATE BOX	(a) TO INDICATE MATTER OF MOT	SAN JUAN, UT
TYPE OF SUBMISSION	(s) TO INDICATE NATURE OF NOT	
TITE OF SODIVIDSION	111	PE OF ACTION
Notice of Intent	Change of Plans	
	Abandonment	
	Recompletion	New Construction 110)ECEIV
Subsequent Report	Plugging Back	Non-Routine Fracturing \\ APR 0 3 199
	Cosino Romin	[{ \} \]
	Casing Repair	Water Shut-Off
Final Abandonment Notice	Altering Casing	DIV. OF OIL, GAS 8
	X Other CHANGE OF	Dispose Water
	OPERATOR	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
13. Described Proposed or Completed Operations (Clean	rly state all pertinent details and give pertinent date	s including estimated date of starting any proposed
work. If well is directionally drilled, give subsurfac	ce locations and measured and true vertical depths for	or all markers and zones pertinent to this work.)*
EFECTIVE AS OF IANTIADS	V 1 1007 DIDI DICTON DECOM	CEC OF A CAS COLONARY TITE DRIOR
		RCES OIL & GAS COMPANY, THE PRIOR REST IN THE NAVAJO FEDERAL 42-5 WELL
TO MERIT PARTNERS I P (AS TO	92 AGN AND MEDIT ENEDGY DAT	REST IN THE NAVAJO FEDERAL 42-5 WELL REST IN THE NAVAJO FEDERAL 42-5 WELL REST IN THE NAVAJO FEDERAL 42-5 WELL
		IL 1, 1997, MERIT ENERGY COMPANY, THE
GENERAL PARTNER FOR MEDIT DA	DTNEDS I D AND MEDIT ENED	GY PARTNERS III, L.P., WILL TAKE OVER
		PARTNERS III, L.P., WILL TAKE OVER PARTNERSHIPS AND IS CONSIDERED TO BE
THE OPERATOR OF SAID WELL AS OF		TAKTNEKSHIFS AND IS CONSIDERED TO BE
MERIT ENERGY COMPANY I	S RESPONSIBLE UNDER THE TER	MS AND CONDITIONS OF THE LEASE FOR
THE OPERATIONS CONDUCTED UPO	N THE LEASED LANDS. BOND CC	OVERAGE IN THE AMOUNT OF \$150,000 FOR
		3011, IN FAVOR OF THE BUREAU OF LAND
MANAGEMENT, U. S. DEPARTMENT (		
14. I hereby certify that the foregoing is true an	d correct.	
Signed Signed	Title Manager, Regulatory Affairs	Data March 21 1007
Martha Rogers	Title Comments, Regulatory Fuldus	Date March 31, 1997
(This space for Federal or State office use)		

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statement or representations as to any matter within its jurisdiction.

Date

Title

Approved By
Condition of Approval, If any:

Form 3160-5 (June 1990)

#### UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

FORM APPROVED Budget Bureau No. 1004-0135

Expires March 31, 1993

#### SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or re-entry to a different reservoir. Use "APPLICATION FOR PERMIT-" for such proposals.

6. If Indian, Allottee or Tribe Name

5. Lease Designation and Serial No.

SUBMIT IN T	TRIPLICATE	7. If Unit or CA, Agreement Designation
I. Type of Well		83687U6890
X Oil Well Gas W	/ell Other	
2. Name of Operator		8. Well Name and No.
BURLINGTON RESOURCES OIL & GAS	COMPANY	NAVAJO FEDERAL 42-5
3. Address and Telephone No (915)688-6800		9. API Well No.
P. O. BOX 51810, MIDLAND, TX 79710-1		43,037,3126100
4. Location of Well (Footage, Sec., T., R., M., o	or Survey Description)	10. Field and Pool, or Exploratory Area
2130' FNL - 320' FEL , SENE		KIVA (UPPER ISMAY) ,ISMAY
05 039S 025E, SLM		11. County or Parish, State
		SAN JUAN , UT
12. CHECK APPROPRIATE BOX(s	s) TO INDICATE NATURE OF NOTIC	E, REPORT, OR OTHER DATA
TYPE OF SUBMISSION	TYPE	OF ACTION
Notice of Intent	Abandonment	Change of Plans
	Recompletion [	New Construction
Subsequent Report	Plugging Back	Non-Routine Fracturing
	Casing Repair	Water Shut-Off
Final Abandonment Notice	Altering Casing	Conversion to Injection
	X Other CHANGE OF OPERATOR	Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
13. Described Proposed or Completed Operations (Clearly work. If well is directionally drilled, give subsurface	OPERATOR  By state all pertinent details and give pertinent dates in	(Note: Report results of multiple comp Completion or Recompletion Report an

EFFECTIVE JANUARY 1, 1997, BURLINGTON RESOURCES OIL & GAS COMPANY, THE OPERATOR OF RECORD OF THE NAVAJO FEDERAL 42-5 WELL, TRANSFERRED ALL OF ITS RIGHT, TITLE AND INTEREST IN SAID WELL TO MERIT PARTNERS, L.P. (AS TO 92.4%) AND MERIT ENERGY PARTNERS III, L.P. (AS TO 7.6%), C/O MERIT ENERGY COMPANY, 12222 MERIT DRIVE, DALLAS, TX 75251.

ON APRIL 1, 1997, MERIT ENERGY COMPANY, GENERAL PARTNER FOR MERIT PARTNERS, L.P. AND MERIT ENERGY PARTNERS III, L.P., WILL TAKE OVER PHYSICAL OPERATIONS OF SAID WELL ON BEHALF OF SAID LIMITED PARTNERSHIPS.

14. I hereby certify that the foregoing is true and co	rrect.		
Signed	itle Attorney-in-F	act	Date March 31, 1997
Kent Beers			
(This space for Federal or State office use)			
Approved By	Title		Date
Condition of Approval, If any:		CEIVIE	
Title 18 U.S.C. Section 1001, makes it a crime for any personany false, fictitious or fraudulent statement or representations	n knowingly and willing as to any matter within	Illy to make to any department or a its jurisdiction.	agency of the United States
		APR 03 1997	9
			rion 1

## CHANGE OF OPERATOR STATE OF - UT

COUNTY	FIELD NAME	WELL NAME	STR	LSE#	WELLTYPE	APIWELL	COMM NO.	FED CNTRL	ST	ENTRL
EMERY	EAST MOUNTAIN , FERRON	EAST MOUNTAIN FEDERAL 13-35	35 016S 006E	<sup>//</sup> . ML-27626	GAS WELL	43,015,3023000	UT060P49-67U69	57287U6920	025	156933
EMERY	EAST MOUNTAIN ,FERRON	EAST MOUNTAIN FEDERAL 32-23	23 016\$ 006E		GAS WELL	43,015,3023100	UT060P49-87U69	57287U6920	025	417674 5
EMERY	FERRON FERRON	INDIAN CREEK 021762 3	02 017S 006E	7 ML-27626	GAS WELL	43,015,30(7500		57287U6920	025	ü15204
EMERY	FERRON ,FERRON	INDIAN CREEK 1	02 017S 006E	ML-27626	GAS WELL	43,015,3008200		57287U6920	025	112-29626
EMERY	FERRON FERRON	INDIAN CREEK 101765	10 017S 006E	/ ML-27626	GAS WELL	43,015,3011700		57287U6920	025	1115263
EMERY	FERRON ,FERRON	INDIAN CREEK 14176 1	14 017S 006E	UTU15202	GAS WELL	43,015,3009100		UTU15202	109	1(15202
NAUL NA	BANNOCK, ISMAY	BANNOCK FEDERAL 21-33	33 038S 024E	UTU60788	OIL WELL	43,037,3142500	60786A	UTU60786A	109	u 40361
NAUL NAS	KACHINA , CUTLER	WASH UNIT 2	13 038S 023E	UTU20894	WATER SOURCE	43,037,3132400		UTU20894	106	1 200 94 (To Water Rights 4-7-97
naul nag	KACHINA ,ISMAY	ARABIAN FEDERAL 2	19 038S 024E	UTU\$6186	WATER INJECTED	43,037,3126200		UTU56186	106	151:186
NAU <b>L NA</b>	KACHINA ,ISMAY	HAVASU FEDERAL 11-19	19 038S 024E	UTU58186	WATER INJECTED	43,037,3145800		UTU56186	106	1.50/8G
MADL NA	KACHINA,ISMAY	HAVASU FEDERAL 12-19	19 038\$ 024E	UTU56186	ON WELL	43,037,3145700		UTU56186	106	1656182
NAUL NA	KACHINA ,ISMAY	HAVASU FEDERAL 12-19A	19 038\$ 024E	UTU56186	OIL WELL	43,037,3145900		UTU56186	106	U56186
AN JUAN	KACHINA JISMAY	HAVASU FEDERAL 22-19	19 038S 024E	UTU56186	OIL WELL	43,037,3127800		UTU56186	106	456186
AN JUAN	KACHINA JISMAY	HAVASU FEDERAL 41-24	24 038\$ 023E	UTU20895	OIL WELL	43,037,3127900		UTU20895	106	
NAUL NA	KACHINA JSMAY	HAVASU FEDERAL 42-24	24 038S 023E	UTU20895	WATER INJECTED	43,037,3129800		UTU20895	106	U 20895 U 20895

## CHANGE OF OPERATOR STATE OF - UT

COUNTY	FIELD NAME	WELL NAME	STR	LSE#	WELLTYPE	APIWELL COMM	NO. FED CNTRL	ST	CNTRL
NAUL NAS	KACHINA ,ISMAY-DESERT CREEK	ARABIAN FEDERAL 3	19 038S 024E	UTU58186	Off. WELL	43,037,3128700	UTU56186	106	1156186 E
NAUL NAS	KIVA (UPPER ISMAY), CUTLER	NAVAJO FEDERAL 42-9	09 039S 025E	U-52333	WATER SOURCE	43,037,3126300			U 52333 (To witer Rights 479
NAUL NAZ	KIVA (UPPER ISMAY) ,ISMAY	KIVA FEDERAL 24-4	04 039S 025E		OIL WELL	43,037,3174500	83687U6890	099	1/5A-4/5/2333
MAUL MAS	KIVA (UPPER ISMAY) ,ISMAY	NAVAJO FEDERAL (WIW) 4-1	04 039S 025E		WATER INJECTED	43,037,3111200	83687U6890	099	<i>u5</i> 2333
SAN JUAN	KIVA (UPPER ISMAY) ,ISMAY	NAVAJO FEDERAL (WIW) 43-5	04 039S 025E		WATER INJECTED	43,037,3131700	83687U6890	099	U 58728
naut naz	KIVA (UPPER ISMAY) ,ISMAY	NAVAJO FEDERAL 12-4	04 039S 025E		WATER INJECTED	43,037,3139500	83687U6890	099	U52333
NAUL NAS	KIVA (UPPER ISMAY) ,ISMAY	NAVAJO FEDERAL 14-4	04 039S 025E		WATER INJECTED	43,037,3132100	83687U6890	099	U52333 .
NAUL NAS	KIVA (UPPER ISMAY) ,ISMAY	NAVAJO FEDERAL 21-9	09 039S 025E		WATER INJECTED	43,037,3126700	83687U6890	099	u 52333
naul naz	KIVA (UPPER ISMAY) JSMAY	NAVAJO FEDERAL 23-4	04 039S 02SE		WATER INJECTED	43,037,3125900	<b>83687</b> U6890	099	U 5 9 3 3 3
MÁUL NAS	KIVA (UPPER ISMAY) ISMAY	NAVAJO FEDERAL 4-1	04 039S 025E		OIL WELL	43,037,3111200	83687U6890	099	UE2333
naul naz	KIVA (UPPER ISMAY) ,ISMAY	NAVAJO FEDERAL 4-2	04 039S 025E		OIL WELL	43,037,3116100	83687U6890	099	U 52333
SAN JUAN	KIVA (UPPER ISMAY) ,ISMAY	NAVAJO FEDERAL 4-4	04 039S 02SE		OIL WELL	43,037,3117900	83687U6890	099	U52333
SAN JUAN	KIVA (UPPER ISMAY) ,ISMAY	NAVAJO FEDERAL 42-5	05 039S 025E		OIL WELL	43,037,3126100	83687U6890	106	U58798
NAUL NAS	KIVA (UPPER ISMAY) ,ISMAY	NAVAJO FEDERAL 43-5	04 039\$ 025E		OIL WELL	43,037,3131700	83687U6890	099	U 58728
NAUL NAS	KIVA (UPPER ISMAY) ,ISMAY	NAVAJO FEDERAL 9-1	09 039S 025E		OIL WELL	43,037,3100100	83687U6890	099	u 52333
SAN JUAN	KIVA (UPPER ISMAY) ,WINGATE	NAVAJO FEDERAL 42-9	09 039\$ 025E		WATER SOURCE	43,037,3126300	83687U6890	099	11 52333 (Toward Rights 4797

# CHANGE OF OPERATOR STATE OF - UT

						- 01				
COUNTY	FIELD NAME	WELL NAME	ero							
0444 114444			STR	LSE#	WELLTYPE	APIWELL	COMM NO.	FED CNTRL	ST	NTRL
naul naz	KIVA ,DESERT CREEK	NAVAJO FEDERAL 41-5	05 039S 025E	UTU57896	OIL WELL	43,037,3135800		LEGISTON		i/ <
NAUL NAS	LION MESA, CANE CREEK	HATCH POINT FEDERAL 27-	27 027S 021E	I CTI IODO 4 a	<b></b>			UTU57895	108	1157895
		1A	5. 52. 5 6212	UTU20016	OIL WELL	43,037,3051800		UTU20016	028	420016



## United States Department of the Interior

BUREAU OF LAND MANAGEMEN

Utah State Office

P.O. Box 45155 Salt Lake City, UT 84145-0155

MAY 28 1587

PAY-OF OIL, GAS 8 1 1G

Merit Energy Company 12222 Merit Drive, Suite 1500 Dallas, Texas 75251

Re:

Kiva (Upper Ismay) Unit San Juan County, Utah

#### Gentlemen:

On May 21, 1997, we received an indenture dated April 1, 1997, whereby Burlington Resources Oil and Gas Company resigned as Unit Operator and Merit Energy Company was designated as Successor Unit Operator for the Kiva (Upper Ismay) Unit, San Juan County, Utah.

The indenture was approved by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective May 27, 1997. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under Kiva (Upper Ismay) Unit Agreement.

Your nationwide (Wyoming) oil and gas bond No. 3011 will be used to cover all operations within the Kiva (Upper Ismay) Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks Chief, Branch of Fluid Minerals

#### **Enclosure**

bcc: District Manager - Moab (w/enclosure)

Division of Oil Gas & Mining //
Minerals Adjudication Group U-932

File - Kiva (Upper Ismay) Unit (w/enclosure)

MMS - Data Management Division

Agr. Sec. Chron

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U-931:TAThompson:tt:5/27/97

Page No. 05/27/97 1

#### Well Status Report Utah State Office Bureau of Land Management

Lease Api Number Well Name

QTR Section Township Range Well Status Operator

** Inspection	n Item: 83687U6890				
<b>√</b> UTU52333	4303731395 12-4 NAVAJO-FEDERAL	SWNW	4 T39S	R25E WIW	BURLINGTON RESOURCES O + G CO
<b>✓</b> UTU52333	4303731321 14-4 NAVAJO FED	SWSW	4 T39S	R25E WIW	BURLINGTON RESOURCES O + G CO
<b>√</b> 0T∪52333	4303731267 21-9 NAVAJO-FEDERAL	NENW	9 T39s	R25E WIW	BURLINGTON RESOURCES O + G CO
<b>√</b> 01052333	4303731259 23-4 NAVAJO-FEDERAL	NESW	4 T39S	R25E WIW	BURLINGTON RESOURCES O + G CO
<b>₩</b> 01U52333	4303731745 24-4 KIVAL FEDERAL	SESW	4 T39S	R25E POW	BURLINGTON RESOURCES 0 + G CO
<b>-∕</b> 0TU52333	4303731112 4-1 NAVAJO FEDERAL	SESW	4 T39S	R25E WIW	BURLINGTON RESOURCES O + G CO
<b>√</b> 0TU52333	4303731161 4-2 NAVAJO FEDERAL	SWSE	4 T398	R25E POW	BURLINGTON RESOURCES O + G CO
<b>U</b> TU52 <b>33</b> 3	4303731176 4-3 NAVAJO FEDERAL	NESW	4 <del>-1398-</del>	R25E-P+A	BURLINGTON RESOURCES 0 + G CO.
<b>√</b> ÚTU52333	4303731179 4-4 NAVAJO FEDERAL	NUSW	4 T39S	R25E POW	BURLINGTON RESOURCES O + G CO
<b>√</b> úTU58728	4303731261 42-5 NAVAJO-FEDERAL	SENE	5 T39S	R25E POW	BURLINGTON RESOURCES O + G CO
<del>-UTU52333</del>	4303731263 42-9 NAVAJO-FEDERAL	SENE	<del>9 T3</del> 98	R25E WSW	BURLINGTON RESOURCES 0 + G CO
√ <b>Ú</b> TŲ58728	4303731317 43-5 NAVAJO (BH 5)	NWSW	4 T39S	R25E OSI	BURLINGTON RESOURCES O + G CO
<b>√</b> UTU52333	4303731001 9-1 NAVAJO FEDERAL	NWNE	9 T39S	R25E POW	BURLINGTON RESOURCES O + G CO

(3/89)

DIVISION OF UIL, GAS AND HINING			OPE	RATOR MERIT E	NERGY	COMPAI	OPERA	н 4900				
ENTITY	ACTION F	ORM - FORM	6	ADDI	RESS							
<b></b>				white the same of						_		
ACTION CODE	CURRENT	HEH ENTITY NO.	API NUMBER	WELL HAI	1E		- <sub>y</sub>		LOCATIO	1	SPUD	EFFECTIVE
0002	LINTTI 110.		43-037-31261		<del></del>	100	25	TP	RG	COUNTY	DATE	DATE
С	10655	09975	NAVAJO FEDERA	AL 42-5	SENE	5	398	25E	SAN JUAN		5/97	
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WELL 5 C	OHHENTS:		!			<del>!</del>						
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	···		***								N	
Α	- Establish	new entity	on back of form) for new well (sin	gle well only)						L. CORDOVA	(DOGM)	
C D	– Re-assiyn – Re-assiyn	well from a	one existing entit	v to another existing	entity					Signature  ADMIN. ANA		5-30-97
			whents section)							Title		Date .
חטוב: ט	se COMMENT	section to e	explain why each A	ction Code was selecte	d.					Phone No. (	)	

Division of Oil, Gas and Mining

#### **OPERATOR CHANGE WORKSHEET**

Attach all documentation received by the division regarding this change. Initial each listed item when completed. Write N/A if item is not applicable.

Routing	0
1-17	6-LFQC
2/4	7-KAS
3-DESOLO	8-SI
4-VLD	9-FILE
5-JRB	

			*	<u> </u>	
☐ Designation of	,	esignation of Agen perator Name Char			
The operator of the	e well(s) listed below has changed,	, effective: 4-1-	97		
TO: (new operator (address		FROM: (old o	operator) (address)	BURLINGTON RI 3300 N A ST I	
•	DALLAS TX 75251	_	,	MIDLAND TX	79710-1810
	MARTHA ROGERS			MARALENE SPAV	<b>V</b> N
	Phone: (972) 701–8377			Phone: <b>(915)</b>	688-6800
	Account no. <u>N4900 (4-30</u> -9	97)		Account no. N	7670
WELL(S) attach add	ditional page if needed:	CIVA (UPPER ISMA	AY) UNIT		
Name: **SEE ATT	ACHED** API 43-137-31	MAL Entity	<b>с</b> т	D I.a	
Name:	API:	Entity:	- S T	R Le	ease:
Name:	API:	Entity:	S T	R Le	ase:
	API:	Entity:	_ S T	R Le	ase:
	API: API:	Entity:	_ S T	R Le	ase:
Name:	API: API:	Entity: Entity:	- S T		ase:ase:
	ANGE DOCUMENTATION				
<u>Lec</u> 1. (r649-8-10 form).	0) Sundry or other legal documenta 4-3-97) メルに 4-21-97	tion has been recei	ved from the	FORMER opera	tor (attach to this
<u>Li</u> ĉ 2. (r649-8-1 form). (	0) Sundry or other legal documents 4-3-97) * U.C 4-21-97	ntation has been re	eceived from	the NEW operator	or (Attach to this
NA 3. The Depa wells in U	artment of Commerce has been of Jtah. Is the company registered w	vith the state? (ye	w operator ales/no)	ove is not curren If yes, show comp	tly operating any cany file number:
	*Kuchine Unit chyd 4-30	97.		-	
note of B changes s through	PIAN AND FEDERAL WELLS OF SLM status in comments section of should ordinarily take place prior below.	f this form. BLM to the division's a	approval of pproval, and	Federal and Indi	an well operator
hec 5. Changes 1 (5-30-	have been entered in the <b>Oil and G</b> 97) * W.C. DBASE & Quettro	Sas Information S	<b>ystem (</b> 3270)	) for each well list	ted above.
He 6. Cardex fi	le has been updated for each well	listed above. (5-3)	97)		
Let 7. Well file	nave been entered in the Oil and O  97) * WC DBASE & Quettro ile has been updated for each well labels have been updated for each	well listed above.	(5-30-97)		
Her 8. Changes h	ave been included on the monthly ' ands, Sovereign Lands, UGS, Tax	"Operator, Address	s, and Accour	nt Changes" <b>mem</b>	o for distribution
	has been set up for the Operator during routing and processing of the			is page has been	placed there for

OPERAT	OR CHANGE WORKSHEET (co., nued) - Initial each item when completed. Write was if item is not applicable.
ENTITY	Y REVIEW
<u>Lec</u> 1.	(1649-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) If entity assignments were changed, attach copies of Form 6, Entity Action Form.  10655 to 9975 (Kive Mpc Tsmay) entity.  Trust Lands, Sovereign Lands, Tax Commission, etc., have been notified through normal procedures of entity changes.
BOND V	/ERIFICATION - (FEE WELLS ONLY)
NA 1.	(r649-3-1) The NEW operator of any fee lease well listed above has furnished a proper bond.
2.	A copy of this form has been placed in the new and former operator's bond files.
3.	The <b>FORMER</b> operator has requested a release of liability from their bond (yes/no), as of today's date If yes, division response was made to this request by letter dated
LEASE I	INTEREST OWNER NOTIFICATION OF RESPONSIBILITY
515	Copies of documents have been sent on to at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.  (12/17)  (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated 19, of their responsibility to notify all interest owners of this change.
FILMIN	G
<u>M</u> 1.	All attachments to this form have been microfilmed. Today's date: <u>U· XO· 97</u> .
FILING	
1.	Copies of all attachments to this form have been filed in each well file.
2.	The original of this form, and the original attachments are now being filed in the Operator Change file.
COMME	ENTS
97043 9705	30 Kachina Unit Op. Chg. aprv. & changed. (Separate change) 30 Kiva Unit Op. chg. aprv. 527.97.
	(Fast Mhn. Unit & Bannock Unit Not aprv. Yet - See Separate chg.) when aprv.

. Form 3160-5

# \_\_TED STATES

FORM A	PPROVED
OMB No.	1004-0135
Expires Ju	dy 31, 1996

(November 1994)	DEPA	RTMENT OF THE INTI	ERIOR			<b>.</b>	pires July 31, 1996
	BUR	EAU OF LAND MANAGEN	<b>MENT</b>		5. Lease Serial No	0.	
	SUNDRY N		U-57895				
	Do not use this f		6. If Indian, Allot	tee or Tribe Name			
	abandoned well. (	Jse Form 3160-3 (APD) 1	or such	proposals.		Navajo Tribe	
		TE – Other instruction	nson	reverse si	de	7. If Unit or CA/A	Agreement, Name and/or No.
1. Type of Wei		Other				8. Well Name and	i No.
2. Name of Op		Oulci				Navajo-Feder	al #41-5
-	Energy Company					9. API Well No.	
3a. Address			3b. Pho	one No. (include	area code)	43-037-31358	
12222	Merit Dr., Suite 15	00, Dallas, TX. 75251	972	-701-8377		10. Field and Pool,	or Exploratory Area
4. Location of	Well (Footage, Sec., T., R.	, M., or Survey Description)				Kiva - Desert	
1210'	FNL & 360' FEL (N	E NE)				11. County or Pari	sh, State
Sectio	n 5-T39S-R25E						
						San Juan Co.	, Utah
12. CHECK A	PPROPRIATE BOX(E	S) TO INDICATE NATURE	OF NO	TICE, REPOR	T, OR OTHER	DATA	
ТҮРЕ О	F SUBMISSION			TYF	E OF ACTION		
_	Alter Casing Fracture Treat Reclamation					ĺ	Water Shut-Off Well Integrity Other
	4 A NT-41	Change Plans Convert to Injection		and Abandon Back	☐ Temporarily ☐ Water Dispo	•	.100,
	donment Notice	dearly state all pertinent details, in	_ ~				duration, thereof
Testing has bee determined that t	n completed. Final Abandon he site is ready for final inspection  98 Set 5-1/2" CIB.  98 Perforated squ rate. Pumped Perforated squ Pumped 43 sx	P @ 5600' & spot 8 sx of the system of the s	cement IH w/5- 18 sx c H w/5-1 urface.	on top of pl -1/2" retained ement abov 1/2" retainer Stung out o	r & set @ 15. e retainer. F & set @ 120 of retainer. F	9# mud to 16 29'. Establishe Pumped 9# mu '. Established Pumped 13 sx	oo'.  ed injection d to 150'. circulation.
cc: Utah Division of Oil, Gas & Mining  COPY SENT TO OPERATOR Date: 3-1-99 Initials: CHD  DIV. OF OIL, GAS & MINING							
Name (Prin	rtify that the foregoing is tra ted/Typed) lene Valliquet	·	Title		- Regulat	ory Affairs	
Signature	arlene V	allowatte	Date	•	3/12/99		
		THIS SPACE	FOR FE	DERAL OR ST	ATE USE		
Approved by				TC'41	Acc	epted by th	e
				000	- tha	n Division C	<del>)†</del>
certify that the app	roval, if any, are attached. A plicant holds legal or equital e the applicant to conduct op	Approval of this notice does not we ble title to those rights in the subjectations thereon.	ectlease	Office	Oil, G	as and Min	ing

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

# STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES

		5. LEASE DESIGNATION AND SERIAL NUMBER: See attached			
	SUNDRY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
	not use this form for proposals to drill drill horizontal	7. UNIT or CA AGREEMENT NAME: See attached			
1. 1	YPE OF WELL OIL WELL	GAS WELL OTHER		8. WELL NAME and NUMBER: See attached	
	AME OF OPERATOR: Prit Energy Company			9. API NUMBER:	
3. A	DDRESS OF OPERATOR:		PHONE NUMBER:	10. FIELD AND POOL, OR WILDCAT:	
	222 Merit Dr., Suite 'CIT	Y Dallas STATE TX ZIP 75251	(972) 701-8377	See attached	
	OOTAGES AT SURFACE: See A	ttached		COUNTY: San Juan	
<u> </u>	TR/QTR, SECTION, TOWNSHIP, RAI			STATE: UTAH	
11.		ROPRIATE BOXES TO INDICATE NAT	***	RT, OR OTHER DATA	
	TYPE OF SUBMISSION	ACIDIZE D	TYPE OF ACTION		
	NOTICE OF INTENT (Submit in Duplicate)		EEPEN RACTURE TREAT	REPERFORATE CURRENT FORMATION SIDETRACK TO REPAIR WELL	
	Approximate date work will start:		EW CONSTRUCTION	TEMPORARILY ABANDON	
		CHANGE TO PREVIOUS PLANS	PERATOR CHANGE	TUBING REPAIR	
_	<del></del>	CHANGE TUBING	LUG AND ABANDON	VENT OR FLARE	
Ц	SUBSEQUENT REPORT (Submit Original Form Only)	CHANGE WELL NAME	LUG BACK	WATER DISPOSAL	
	Date of work completion:	[F	RODUCTION (START/RESUME)	WATER SHUT-OFF	
		E = =	ECLAMATION OF WELL SITE	OTHER:	
40	PERADIDE DEGRACES AS AS		ECOMPLETE - DIFFERENT FORMATION		
Me of Jo	·				
	ouston, TX. 77002 I3) 655-0595				
Ву	·	Sac		Comment of the second	
	Brian A. Baer, Presider	nt		COT 20 ECT)	
				CINTONOM OF CIL, CINS AND AUTUMO	
NAM	E (PLEASE PRINT) Arlene Va	liquette (1)	Manager - Regula		
SICA	NATURE (A/LY UMA 0)	' 7/// VXASIA (VVX )		7 }	

(This space for State use only)

# CHANGE OF OPERATOR from Merit Energy Company to Journey Operating, L.L.C. San Juan County, Utah

#### Attachment to Utah Form 19

Well Type	Lease Serial No.	Field Name	Well Name/Number	API Number	Location of Well
Oil Well	UTU-40361	Bannock	Bannock Federal #21-33	43-037-31425	NE NW (685' FNL & 1520' FWL) Sec. 33-T38S-R24E
Injection Well	I-149-IND-9123	Ismay	Ismay Flodine Park R-124	43-037-16169	NE NE (660' FNL & 660' FEL) Sec. 24-T40S-R25E
Oil Well	14-20-603-2055-A	*Ismay	ismay Flodine Park S-216	43-037-15546	SW NW (1820' FNL & 500' FWL) Sec. 16-T40S-R26E
Injection Well	14-20-603-2055-A	Ismay	ismay Flodine Park T-316	43-037-16462	NE SW (1980 FSL & 1980' FWL) Sec. 16-T40S-R26E
Oil Well	14-20-603-2055-A	Ismay	Ismay Flodine Park S-416	43-037-15544	SW SW (1820' FNL & 500' FWL) Sec. 16-T40S-R26E
Oil Well	14-20-603-2055-A	Ismay	Ismay Flodine Park U-416	43-037-15545	SW SE (660' FSL & 1980' FEL) Sec. 16-T40S-R26E
Injection Well	I-149-IND-9124	Ismay	Ismay Flodine Park T-117	43-037-16456	NE NW (775 FNL & 1995' FWL) Sec. 17-T40S-R26E
Oil Well	I-149-IND-9124	Ismay	Ismay Flodine Park S-217	43-037-16170	SW NW (1980' FNL & 660' FWL) Sec. 17-T40S-R26E
Injection Well	I-149-IND-9124	Ismay	Ismay Flodine Park V-117	43-037-16188	NE NE (660' FNL & 660' FEL) Sec. 17-T40S-R26E
Oil Well	I-149-IND-9124	Ismay	Ismay Flodine Park U-217	43-037-16180	SW NE (1980' FNL & 1820' FEL) Sec. 17-T40S-R26E
Injection Well	I-149-IND-9124	Ismay	Ismay Flodine Park T-317	43-037-16463	NE SW (1980' FSL & 1980' FWL) Sec. 17-T40S-R26E
Oil Well	I-149-IND-9124	Ismay	Ismay Flodine Park U-417	43-037-16185	SW SE (500' FSL & 1820' FEL) Sec. 17-T40S-R26E
Injection Well	I-149-IND-9123	Ismay	Ismay Flodine Park T-118	43-037-16457	NE NW (660' FNL & 1980' FWL) Sec. 18-T40S-R26E
Oil Well	I-149-IND-9123	Ismay	Ismay Flodine Park S-218	43-037-16171	SW NW (1820' FNL & 660' FWL) Sec. 18-T40S-R26E
Oil Well	I-149-IND-9123	Ismay	Ismay Flodine Park T-318	43-037-16464	NE SE (1980' FSL & 1980' FWL) Sec.18-T40S-R26E
Oil Well	I-149-IND-9123	Ismay	Ismay Flodine Park V-318	43-037-16467	NE SE (1980' FSL & 660' FEL) Sec. 18-T40S-R26E
) Oil Well	I-149-IND-9123	Ismay	Ismay Flodine Park U-418	43-037-16186	SW SE (660' FSL & 1980' FEL) Sec. 18-T40S-R26E
Injection Well	I-149-IND-9123	Ismay	Ismay Flodine Park T-119	43-037-16458	NE NW (660' FNL & 1980' FWL) Sec. 19-T40S-R26E
Water Source Well	I-149-IND-9123	Ismay	Ismay Flodine Park V-219	43-037-16519	SE NE (1980' FNL & 560' FEL) Sec. 19-T40S-R26E
Oil Well	I-149-IND-9124	Ismay	Ismay Flodine Park V-120	43-037-16190	NE NE (660' FNL & 660' FEL) Sec. 20-T40S-R26E
Water Source Well	I-149-IND-9124	Ismay	Ismay Flodine Park V-220	43-037-20055	SE NE (1950' FNL & 1120' FEL) Sec. 20-T40S-R26E
Oil Well	I-149-IND-9124	Ismay	Ismay Flodine Park S-121	43-037-31629	NW NW (500' FNL & 660' FWL) Sec. 21-T40S-R26E
Injection Well	I-149-IND-9124	Ismay	Ismay Flodine Park T-121	43-037-16460	NE NW (610' FNL & 2050' FWL) Sec. 21-T40S-R26E
Water Source Well	I-149-IND-9124	Ismay	Ismay Flodine Park U-121	43-037-20056	NW NE (540' FNL & 1980' FEL) Sec. 21-T40S-R26E
Injection Well	I-149-IND-9124	Ismay	Ismay Flodine Park V-121	43-037-16191	NE NE (660' FNL & 660' FEL) Sec. 21-T40S-R26E
Injection Well	I-149-IND-9124	Ismay	Ismay Flodine Park U-421	43-037-11267	SW SE (660' FSL & 1980' FEL) Sec. 21-T40S-R26E
Injection Well	I-149-IND-9124	Ismay	Ismay Flodine Park V-321	43-037-16194	NE SE (1980' FSL & 670' FEL) Sec. 21-T40S-R26E

# CHANGE OF OPERATOR from Merit Energy Company to Journey Operating, L.L.C. San Juan County, Utah

#### Attachment to Utah Form 19

Well Type	Lease Serial No.	Field Name	Well Name/Number	API Number	Location of Well
Oil Well	I-149-IND-9124	Ismay	Ismay Flodine Park S-222	43-037-16173	SW NW (2030' FNL & 820' FWL) Sec. 22-T40S-R26E
) Injection Well	I-149-IND-9124	Ismay	Ismay Flodine Park T-322	43-037-16179	NE SW (1820' FSL & 1935' FWL) Sec. 22-T40S-26E
Oil Well	I-149-IND-9124	Ismay	Ismay Flodine Park U-422	43-037-16187	SW SE (820' FSL & 2140' FEL) Sec. 22-T40S-R26E
Oil Well	NOG-9904-1324	Ismay	Ismay Flodine Park S-227	43-037-16231	SW NW (2140' FNL & 820' FWL) Sec. 27-T40S-R26E
Oil Well	NOG-9904-1324	Ismay	Ismay Flodine Park U-127	43-037-31648	NE NE (745' FNL & 595' FEL) Sec. 27-T40S-R26E
Oil Well	NOG-9904-1324	Ismay	Ismay Flodine Park U-227	43-037-16234	SW NE (2120' FNL & 1950' FEL) Sec. 27-T40S-R26E
Oil Well	14-20-603-2058-A	Ismay	Ismay Flodine Park U-234	43-037-16184	SW NE (1980' FNL & 2080' FEL) Sec. 34-T40S-R26E
Water Source Well	UTU-20894	Kachina	Wash Unit #2	43-037-31324	SE SE (470' FSL & 850' FEL) Sec. 13-T38S-R23E
Oil Well	UTU-20895	Kachina	Havasu Federal #41-24	43-037-31279	NE NE (1050' FNL & 500' FEL) Sec. 24-T38S-R23E
Injection Well	UTU-20895	Kachina	Havasu Federal #42-24	43-037-31298	SE NE (1970' FNL & 461' FEL) Sec. 24-T38S-R23E
Injection Well	UTU-56186	Kachina	Arabian Federal #2	43-037-31282	NW SW (2180' FSL & 950' FWL) Sec. 19-T38S-R24E
Oil Well	UTU-56186	Kachina	Arabian Federal #3	43-037-31287	NE SW (1470' FSL & 1750' FWL) Sec. 19-T38S-R24E
Injection Well	UTU-56186	Kachina	Havasu Federal #11-19	43-037-31458	NW NW (940' FNL & 590' FWL) Sec. 19-T38S-R24E
Oil Well	UTU-56186	Kachina	Havasu Federal #12-19	43-037-31457	SW NW (1840' FNL & 410' FWL) Sec. 19-T38S-R24E
Oil Well	UTU-56186	Kachina	Havasu Federal #12-19A	43-037-31459	SW NW (2520' FNL & 200' FWL) Sec. 19-T38S-R24E
Oil Well	UTU-56186	Kachina	Havasu Federal #22-19	43-037-31278	SW NW (1850' FNL & 1255' FWL) Sec. 19-T38S-R24E
1					
J Injection Well	UTU-52333	Kiva	Navajo Federal #12-4	43-037-31395	SW NW (2260' FNL & 440' FWL) Sec. 4-T39S-R25E
Injection Well	UTU-52333	Kiva	Navajo Federal #14-4	43-037-31321	SW SW (1150' FSL & 1110' FWL) Sec. 4-T39S-R25E
Injection Well	UTU-52333	Kiva	Navajo Federal #23-4	43-037-31259	NE SW (1500' FSL & 2500' FWL) Sec. 4-T39S-R25E
Oil Well	UTU-52333	Kiva	Kiva Federal #24-4	43-037-31745	SE SW (1057' FSL & 1997' FWL) Sec. 4-T39S-R25E
Injection Well	UTU-52333	Kiva	Navajo Federal #4-1	43-037-31112	SE SW (370' FSL & 1940' FWL) Sec. 4-T39S-R25E
Oil Well	UTU-52333	Kiva	Navajo Federal #4-2	43-037-31161	SW SE (300' FSL & 2225' FEL) Sec. 4-T39S-R25E
Oil Well	UTU-52333	Kiva	Navajo Federal #4-4	43-037-31179	NW SW (1980' FSL & 660' FWL) Sec. 4-T39S-R25E
Oil Well	UTU-57895	Kiva	Navajo Federal #42-5	43-037-31261	SE NE (2130' FNL & 320' FEL) Sec. 5-T39S-R25E
Injection Well	UTU-58728	Kiva	Navajo Federal #43-5	43-037-31317	NE SE (1954' FSL & 627' FEL) Sec. 5-T39S-R25E
Oil Well	UTU-52333	Kiva	Navajo Federal #9-1	43-037-31001	NW NE (770' FNL & 2010' FEL) Sec. 9-T39S-R25E

# CHANGE OF OPERATOR from Merit Energy Company to Journey Operating, L.L.C. San Juan County, Utah

#### Attachment to Utah Form 19

Well Type	Lease Serial No.	Field Name	Well Name/Number	API Number	Location of Well
Injection Well	UTU-52333	Kiva	Navajo Federal #21-9	43-037-31267	NE NW (330' FNL & 2510' FWL) Sec. 9-T39S-R25E
Water Source Well	UTU-52333	Kiva	Navajo Federal #42-9	43-037-31263	SE NE (1850' FNL & 1140' FEL) Sec. 9-T39S-R25E



## United States Department of the Interior

#### **BUREAU OF LAND MANAGEMENT**

Utah State Office P.O. Box 45155 Salt Lake City, UT 84145-0155

N REPLY REFER TO UT-931

January 4, 2001

Journey Operating, L.L.C. Attn: Sandra Meche Louisiana Place 1201 Louisiana Street Houston, Texas 77002

Re:

Kiva (Upper Ismay) Unit

San Juan County, Utah

#### Gentlemen:

We received an indenture dated September 30, 2000, whereby Merit Energy Company resigned as Unit Operator and Journey Operating, L.L.C. was designated as Successor Unit Operator for the Kiva (Upper Ismay) Unit, San Juan County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective January 4, 2001. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Kiva (Upper Ismay) Unit Agreement.

Your nationwide (Wyoming) oil and gas bond No. 3354 will be used to cover all operations within the Kiva (Upper Ismay) Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks Chief, Branch of Fluid Minerals

#### **Enclosure**

bcc:

Field Manager - Moab (w/enclosure)

Division of Oil, Gas & Mining
Minerals Adjudication Group U-932

File - Kiva (Upper Ismay) Unit (w/enclosure)

MMS - Data Management Division

Agr. Sec. Chron Fluid Chron

UT931:TAThompson:tt:1/4/01

# Results of query for MMS Account Number 83687U6890

API Number	Operator	Well Name	Well Status	Lease or CA Number	Inspection Item	Township	Range	Section	Quarter/Quarter	Field Name	Production Zo
<u>4303731001</u>	MERIT ENERGY COMPANY	9-1 NAVAJO FEDERAL	POW	UTU52333	83687U6890	39S	25E	9	NWNE	KIVA	ISMAY
<u>4303731112</u>	MERIT ENERGY COMPANY	4-1 NAVAJO FEDERAL	WIW	UTU52333	83687U6890	39S	25E	4	SESW	KIVA	DESERT CREE
<u>4303731161</u>	MERIT ENERGY COMPANY	4-2 NAVAJO FEDERAL	POW	UTU52333	8368 <b>7</b> U6890	39S	25E	4	SWSE	KIVA	ISMAY
4 <del>30373117</del> 6	MERIT ENERGY COMPANY	4-3-NAVAJO FEDERAL	P+A	UTU52333	8368 <b>7</b> U6890	39S	25E	4	NESW	KIVA	
<u>4303731179</u>	MERIT ENERGY COMPANY	4-4 NAVAJO FEDERAL	POW	UTU52333	8368 <b>7</b> U6890	39S	25E	4	NWSW	KIVA	ISMAY
<u>4303731259</u>	MERIT ENERGY COMPANY	23-4 NAVAJO-FEDERAL	TA	UTU52333	83687U6890	39S	25E	4	NESW	KIVA	ISMAY-DESER CREEK
<u>4303731261</u>	MERIT ENERGY COMPANY	42-5 NAVAJO-FEDERAL	POW	UTU58728	8368 <b>7</b> U6890	39S	25E	5	SENE	KIVA	ISMAY
<u>4303731263</u>	MERIT ENERGY COMPANY	42-9 NAVAJO-FEDERAL	wsw	UTU52333	83687U6890	39S	25E	9	SENE	KIVA	
4303731267	MERIT ENERGY COMPANY	21-9 NAVAJO-FEDERAL	WIW	UTU52333	8368 <b>7</b> U6890	39S	25E	9	NENW	KIVA	ISMAY

4303731317	MERIT ENERGY COMPANY	43-5 NAVAJO (BH 5)	OSI	UTU58728	8368 <b>7</b> U6890	39S	25E	4	NWSW	KIVA	ISMAY
4303731321	MERIT ENERGY COMPANY	<b>1</b>	wiw	UTU52333	83687U6890	39S	25E	4	swsw	KIVA	ISMAY
4303731395	MERIT ENERGY COMPANY	12-4 NAVAJO-FEDERAL	WIW	UTU52333	8368 <b>7</b> U6890	39S	25E	4	SWNW	KIVA	ISMAY
4303731745	RHNHDITU	24-4 KIVAL FEDERAL	POW	UTU52333	8368 <b>7</b> U6890	39S	25E	4	SESW	KIVA	ISMAY

DISCLAIMER for online data: No warranty is made by the BLM for use of the data for purposes not intended by the BLM.

#### **OPERATOR CHANGE WORKSHEET**

#### **ROUTING**

ROUTING							
1. GLH	4-KAS						
2. CDW	5-30						
3. JLT	6-FILE						

Enter date after each listed item is completed

#### X Change of Operator (Well Sold)

The operator of the well(s) listed below has changed, effective:

Designation of Agent

Operator Name Change (Only)

Merger

9-30-2000

FROM: (Old Operator):	<b>TO</b> : ( No	TO: ( New Operator):						
MERIT ENERGY COMPANY		JOURNE	JOURNEY OPERATING LLC					
Address: 12222 MERIT DR.	Address:	1201 LOUIS	IANA, SUIT	E 1040				
DALLAS, TX 75251	HOUSTO	N, TX 77002						
Phone: 1-(972)-701-8377		Phone:	1-(713)-655-0	0595				
Account N4900		Account						
	CA No.	Unit:	KIVA (UPP)	ER ISMAY)				
WELL(S)								
	API	ENTITY	SEC. TWN	LEASE	WELL	WELL		
NAME	NO.	NO.	RNG	TYPE	TYPE	STATUS		
NAVAJO FEDERAL 4-1	43-037-3111	.2 9975	04-39S-25E	FEDERAL	WI	A		
NAVAJO FEDERAL 12-4	43-037-3139	5 10864	04-39S-25E	FEDERAL	WI	A		
NAVAJO FEDERAL 14-4	43-037-3132	1 10780	04-39S-25E	FEDERAL	WI	A		
NAVAJO FEDERAL 23-4	43-037-3125	9975	04-39S-25E	FEDERAL	WI	A		
NAVAJO FEDERAL 43-5	43-037-3131	7 9975	05-39S-25E	FEDERAL	WI	A		
NAVAJO FEDERAL 21-9	43-037-3126	7 10759	09-39S-25E	FEDERAL	WI	A		
KIVA FEDERAL 24-4	43-037-3174	5 9975	04-39S-25E	FEDERAL	OW	P		
NAVAJO FEDERAL 4-2	43-037-3116	9975	04-39S-25E	FEDERAL	OW	P		
NAVAJO FEDERAL 4-4	43-037-3117	9 9975	04-39S-25E	FEDERAL	OW	P		
NAVAJO FEDERAL 42-5	43-037-3126	9975	05-39S-25E	FEDERAL	OW	P		
NAVAJO FEDERAL 9-1	43-037-3100	9975	09-39S-25E	FEDERAL	OW	P		
NAVAJO FEDERAL 42-9	43-037-3126	3 99998	09-39S-25E	FEDERAL	WSW	I		
			ļ					
			ļ	<u> </u>		ļ		

#### OPERATOR CHANGES DOCUMENTATION

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on:

10/23/2000

2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on:

10/23/2000

3. The new company has been checked through the Department of Commerce, Division of Corporations Database on:

01/05/2001

4.	Is the new operator registered in the State of Utah:  YES  Business Number: 4822566-0161
5.	If NO, the operator was contacted contacted on:
6.	Federal and Indian Lease Wells: The BLM and or the BIA has approved the (merger, name change, or operator change for all wells listed on Federal or Indian leases on:  01/04/2001
7. 8.	for wells listed on: $01/04/2001$
9.	
<b>D</b>	ATA ENTRY:  Changes entered in the Oil and Gas Database on:  01/05/2001
2.	Changes have been entered on the Monthly Operator Change Spread Sheet on: 01/05/2001
3.	Bond information entered in RBDMS on: N/A
4.	Fee wells attached to bond in RBDMS on:  N/A
S'.	State well(s) covered by Bond No.:  N/A
	EE WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION:  (R649-3-1) The NEW operator of any fee well(s) listed has furnished a bond:  N/A
2.	The <b>FORMER</b> operator has requested a release of liability from their bond on:  N/A  The Division sent response by letter on:  N/A
3.	(R649-2-10) The <b>FORMER</b> operator of the Fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on:  N/A
	LMING: All attachments to this form have been MICROFILMED on: 2-21-0/
	LING: ORIGINALS/COPIES of all attachments pertaining to each individual well have been filled in each well file on:
C	DMMENTS:
_	
_	
_	

1. Federal well(s) covered by Bond Number:

2. Indian well(s) covered by Bond Number:

ROUTING	ž.
1. DJJ	
2. CDW	

#### X Change of Operator (Well Sold)

### Operator Name Change/Merger

The operator of the well(s) listed below has ch	6/9/2006							
FROM: (Old Operator):	<b>TO:</b> ( New O <sub>1</sub>	perator):						
N1435-Journey Operating, LLC	N0265-Citation	• •	Corp					
201 Louisiana, Suite 1040		illow Place	•					
Houston, TX 77002				n, TX 7707				
				Phone: 1 (281)		•		
CA No.				Unit:	217 7000		KIVA	
	SEC	TWN	RNG	API NO	ENTITY	LEASE	WELL	WELL
WEEE TAINE	SEC	1 4414	ILIO	ATT NO	NO	TYPE	TYPE	STATUS
NAVAJO FEDERAL 9-1	09	390S	250E	4303731001		Federal	ow	P
the state of the s	04	390S		4303731112		Federal	WI	A
	04			4303731161		Federal	OW	S
	04			4303731179		Federal	ow	P
	04			4303731259		Federal	WI	I
	05		250E	4303731261		Federal	ow	S
	09			4303731263	9975	Federal	WS	Α
NAVAJO FED 21-9	09			4303731267	9975	Federal	WI	Α
NAVAJO FED 43-5	04	390S	250E	4303731317	9975	Federal	WI	A
NAVAJO FED 14-4	04	390S	250E	4303731321	9975	Federal	WI	A
NAVAJO FED 12-4	04	390S	250E	4303731395	9975	Federal	WI	A
24-4 KIVA FEDERAL	04	390S	250E	4303731745	9975	Federal	OW	P
Enter date after each listed item is completed  1. (R649-8-10) Sundry or legal documentation was received from the FORMER operator on: 6/23/2006  2. (R649-8-10) Sundry or legal documentation was received from the NEW operator on: 6/23/2006  3. The new company was checked on the Department of Commerce, Division of Corporations Database on:  4. Is the new operator registered in the State of Utah: YES Business Number: 793304-0143  6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE  6b. Inspections of LA PA state/fee well sites complete on: n/a  6c. Reports current for Production/Disposition & Sundries on: ok  7. Federal and Indian Lease Wells: The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 7/6/2006 BIA  8. Federal and Indian Units:  The BLM or BIA has approved the successor of unit operator for wells listed on: 7/6/2006  9. Federal and Indian Communization Agreements ("CA"):  The BLM or BIA has approved the operator for all wells listed within a CA on: n/a  10. Underground Injection Control ("UIC") The Division has approved UIC Form 5, Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 6/30/2006  DATA ENTRY:  1. Changes entered in the Oil and Gas Database on: 7/31/2006								
<ul><li>2. Changes have been entered on the Monthly 0</li><li>3. Bond information entered in RBDMS on:</li></ul>	Oper	ator C	hange	Spread Sheet o	on:	7/31/2006	ŧ	
4. Fee/State wells attached to bond in RBDMS			79	n/a	•			
5. Injection Projects to new operator in RBDMS	S on:		7	7/31/2006	<b>S</b>			
6. Receipt of Acceptance of Drilling Procedures	s for	APD/N	lew on:		n/a			
BOND VERIFICATION:								

104061650

104061656

STATE OF UTAH		CHANG
DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING		5. LEASE DESIGNATION AND SERIAL NUMBER: See Attached List
SUNDRY NOTICES AND REPORTS ON WE	LLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole d drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such propo	epth, reenter plugged wells, or to	7. UNIT OF CA AGREEMENT NAME: See Attached List 8. WELL NAME and NUMBER:
1. TYPE OF WELL OIL WELL GAS WELL OTHER		See Attached List
2. NAME OF OPERATOR:  Journey Operating, L.L.C.  N 1435		9. API NUMBER: See Attach
3. ADDRESS OF OPERATOR	PHONE NUMBER:	10, FIELD AND POOL, OR WILDCAT: See Attached List
1201 Louisiana, Suite 1040 Gray Houston STATE TX 77002	(713) 655-0595	Get Attached List
footages at surface: See Attached List		COUNTY: San Juan
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATUR	OF NOTICE, REPO	RT, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTION	
ACIDIZE DEEPEN  NOTICE OF INTENT (Submit in Duplicate) ALTER CASING FRACTU	RE TREAT	REPERFORATE CURRENT FORMATION SIDETRACK TO REPAIR WELL
(Submitted Supresses)	NSTRUCTION	TEMPORARILY ABANDON
Approximate date work will start.	OR CHANGE	TUBING REPAIR
CHANGE TUBING PLUG AT	D ABANDON	VENT OR FLARE
SUBSEQUENT REPORT CHANGE WELL NAME PLUG BA	ск	WATER DISPOSAL
O. W. W. C.	TION (START/RESUME)	WATER SHUT-OFF
Date of work completion: COMMINGLE PRODUCING FORMATIONS RECLAM	ATION OF WELL SITE	OTHER:
CONVERT WELL TYPE RECOM	LETE - DIFFERENT FORMATION	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details Journey Operating, L.L.C. advises, effective June 9, 2006, Citation O		
attached list.		
Citation Oil & Gas Corp. (N0265) 8223 Willow Place South Houston, TX 77070 (281) 517-7800 Bond No.: 104325628 - \$120,000  By: Robert T. Kennedy Sr. Vice President Land	ID = 104061 D = 10406	1650 1656

TITLE President Brian A. Baer 6/9/2006

Division of Oil, Gas and Mining
Earlene Russell, Engineering Technicides tructions on Reverse Side)

RECEIVED JUN 2 3 2006

DIV. OF OIL, GAS & MINING



#### RICHARDSON OPERATING COMPANY

4725 S. Monaco Street, Suite 200 Denver, Colorado 80237 (303) 830-8000 Fax (303) 830-8009

> RECEIVED AUG 0 2 2013

July 29, 2013

DIV. OF OIL, GAS & MINING

Attn: Zeke Clements

Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210

Box 145801

Salt Lake City, Utah 84114-5801

Re: Sundry Notices and Reports on Wells - Change of Operator and Transfers of Authority to Inject

#### Dear Zeke:

Enclosed for approval by the Utah Divisio of Oil, Gas and Mining, please find two originally executed Sundry Notices and Reports on Wells on Form 9, for the following 18 leases and wells (API # included):

Lease #	Well Name	API Well No.
UTU-20894	Wash Unit 2	43-037-31324
UTU-20895	Havasu-Federal 41-24	43-037-31279
UTU-20895	Havasu-Federal 42-24	43-037-31298
UTU-40361	Bannock -Fed 21-33	43-037-31425 <
UTU-52333	24-4 Kiva Federal	43-037-31745
UTU-52333	Navajo Federal 12-4	43-037-31395
UTU-52333	Navajo Federal 14-4	43-037-31321
UTU-52333	Navajo Federal 21-9	43-037-31267
UTU-52333	Navajo Federal 4-1	43-037-31112
UTU-52333	Navajo Federal 4-2	43-037-31161
UTU-52333	Navajo Federal 42-9	43-037-31263
UTU-52333	Navajo Federal 4-4	43-037-31179
UTU-52333	Navajo Federal 9-1	43-037-31001
UTU-56185	Arabian Federal 3	43-037-31287
UTU-56186	Havasu-Federal 11-19	43-037-31458
UTU-56186	Havasu-Federal 22-19	43-037-31278
UTU-58728	Navajo Federal 42-5	43-037-31261
UTU-58728	Navajo Federal 43-5	43-037-31317

**APPROVED** 

AUG 1 9 2013

DIV. OIL GAS & MINING BY: Rachel Medina

Also enclosed for the approval by the Utah Division of Oil, Gas and Mining, please find one originally executed Transfer of Authority to Inject on Form UIC Form 5 for the following seven wells:

Lease #	Well Name	API Well No.
UTU-20895	Havasu-Federal 42-24	43-037-31298
UTU-52333	Navajo Federal 12-4	43-037-31395
UTU-52333	Navajo Federal 14-4	43-037-31321
UTU-52333	Navajo Federal 21-9	43-037-31267
UTU-52333	Navajo Federal 4-1	43-037-31112
UTU-56186	Havasu-Federal 11-19	43-037-31458
UTU-58728	Navajo Federal 43-5	43-037-31317

Please return the approved documents for each well to:

Richardson Operating Company 4725 S. Monaco Street, Suite 200, Denver, Colorado 80237.

If you have any questions, please do not hesitate to contact me at the number above or via email at land@richardsonoil.com.

Sincerely,

Ann Barthrop

Senior Land Analyst

Can Bathop

**Enclosures** 

AUG 0 2 2013

Div. of Oil, Gas & Mining

### **OPERATOR CHANGE WORKSHEET (for state use only)**

ROUTING
CDW

	X - Change of Operator (Well Sold)	_			Оре	erator Na	me Chan	ge/Merger		
7	The operator of the well(s) listed below has chan	ged, e	effectiv	e:	4/1/2013					
FR	ROM: (Old Operator):				TO: ( New Operator):					
	265-Citation Oil & Gas Corp						son Operat	ing Co.		
	BOX 690688						Street, Su	•		
	Houston, TX. 77269				er, CO. 80	-				
	uston, 11t. 77205					,				
Pho	Phone: 1 (281) 891-1000				Phon	e: 1 (303 <u>)</u> 8	830-8000			
<u> </u>	CA No.				Unit: Kiva(Upper Mesa)					
WE	ELL NAME	SEC	TWN	RNG	API	NO	ENTITY	LEASE TYPE	WELL	WELL
							NO		TYPE	STATUS
See	Attached List				<u> </u>			<u> </u>		
Ent 1. 2. 3. 4a. 5a. 5b.	PERATOR CHANGES DOCUMENT ter date after each listed item is completed (R649-8-10) Sundry or legal documentation was (R649-8-10) Sundry or legal documentation was The new company was checked on the Departs Is the new operator registered in the State of U(R649-9-2) Waste Management Plan has been resulted in Inspections of LA PA state/fee well sites complete Reports current for Production/Disposition & Section of Federal and Indian Lease Wells: The BL or operator change for all wells listed on Federal Federal and Indian Units:  The BLM or BIA has approved the successor Federal and Indian Communization Ag	us reconstructions reconstruct	eived fi eived fi of Con d on: n: es on: d or the (ndian)	e BIA h	e NEW e, Divi Busin 8/1 nas appon:	operator sion of Co ness Numb N/A N/A 9/2013 proved the	on: orporation er: merger, na BLM	8776630-0143	BIA	8/26/2013 N/A
٠.	The BLM or BIA has approved the operator is			•		a CA on:		Not Yet		
9.	Underground Injection Control ("UIC"						orm 5 Trai		ity to	
٦.	Inject, for the enhanced/secondary recovery un								8/7/2013	
D.	TA ENTRY:	ii/pro	geet to	i the wa	ater un	sposai wei	1(3) 113104 0	·11.	0/1/2013	
1) A		omi			9/2	26/2013				
2.	Changes entered in the Oil and Gas Database Changes have been entered on the Monthly Op		or Cha	nge Sn				8/26/2013		
2. 3.	Bond information entered in RBDMS on:	Ciau	or Cha	inge op		26/2013		0/20/2015		
<i>3</i> . 4.	Fee/State wells attached to bond in RBDMS on					N/A				
5.	Injection Projects to new operator in RBDMS of				_	26/2013				
6.	Receipt of Acceptance of Drilling Procedures for		D/Nev	v on:			N/A			
	OND VERIFICATION:	01 111	27,1,0,	. 011.		•		•		
	Federal well(s) covered by Bond Number:				DI D	0002500				
1. 2.	Indian well(s) covered by Bond Number:					N/A				
_	(R649-3-1) The <b>NEW</b> operator of any state/fe	a wal	1(e) liet	ed cove			ımher	N/A		
3a.	•							1472	•	
3b.	The <b>FORMER</b> operator has requested a release	e of I	ability	from th	neir bo	ona on:	N/A			
LF	ASE INTEREST OWNER NOTIFIC	ATI	ON:					•		
	R649-2-10) The <b>NEW</b> operator of the fee wells			ntacted	l and i	nformed by	v a letter fr	om the Division		
	of their responsibility to notify all interest owner						N/A			
	MMENTS:									<del></del>

#### Citation Oil & Gas Corp (N0265) to Richardson Operating Co. (N2400) Effective 1-April-2013

Well Name	Sec.	Township	Range	API No.	Utah Entity No.	Mineral Lease Type	Well Type	Well Status	Unit Name
NAVAJO FEDERAL 9-1	09	390S	250E	4303731001	9975	Federal	Oil Well	Producing	KIVA (UPPER MESA)
NAVAJO FED 4-1	04	390S	250E	4303731112	9975	Federal	Water Injection	Active	KIVA (UPPER MESA)
NAVAJO FEDERAL 4-2	04	390S	250E	4303731161	9975	Federal	Oil Well	Producing	KIVA (UPPER MESA)
NAVAJO FEDERAL 4-4	04	390S	250E	4303731179	9975	Federal	Oil Well	Producing	KIVA (UPPER MESA)
NAVAJO FEDERAL 42-5	05	390S	250E	4303731261	9975	Federal	Oil Well	Producing	KIVA (UPPER MESA)
NAVAJO FEDERAL 42-9	09	390S	250E	4303731263	9975	Federal	Water Source	Active	KIVA (UPPER MESA)
NAVAJO FED 21-9	09	390S	250E	4303731267	9975	Federal	Water Injection	Active	KIVA (UPPER MESA)
NAVAJO FED 43-5	04	390S	250E	4303731317	9975	Federal	Water Injection	Active	KIVA (UPPER MESA)
NAVAJO FED 14-4	04	390S	250E	4303731321	9975	Federal	Water Injection	Active	KIVA (UPPER MESA)
NAVAJO FED 12-4	04	390S	250E	4303731395	9975	Federal	Water Injection	Plugged	KIVA (UPPER MESA)
24-4 KIVA FEDERAL	04	3905	250F	4303731745	9975	Federal	Oil Well	Producina	KIVA (UPPER MESA)

## RECEIVED

# STATE OF UTAH

	DEPARTMENT OF NATURAL RESOUF DIVISION OF OIL, GAS AND MII	VING	5. LEASE DESIGNATION AND SERIAL NUMBER: Federal UTU-58728
SUNDRY	NOTICES AND REPORTS	·····································	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do and use this form for proposels to drill his	ew wells, significantly deepen existing wells below curr terals. Use APPLICATION FOR PERMIT TO DRILL fo	ent bottom-hole depth, reenter plugged wells, o	7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL		Change of Operator	8. WELL NAME and NUMBER: NAVAJO FEDERAL 42-5
2. NAME OF OPERATOR: Richardson Operating Cor	nnany		9. API NUMBER: 037-31261
3. ADDRESS OF OPERATOR: 4725 S Monaco St. Suite 200 CITY  C		PHONE NUMBER: (303) 830-8000	10. FIELD AND POOL, OR WILDCAT:  KIVA
4. LOCATION OF WELL			COUNTY: SAN JUAN
FOOTAGES AT SURFACE: 2130			
QTR/QTR, SECTION, TOWNSHIP, RANG	ge, meridian: SENE - 5 - 39S 2	<b>5E</b> * : :	STATE: UTAH
11. CHECK APPE	ROPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, RE	EPORT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
[7] WATER OF BUTTON	ACIDIZE	DEEPEN	REPERFORATE CURRENT FORMATION
NOTICE OF INTENT (Submit in Duplicate)	ALTER CASING	FRACTURE TREAT	SIDETRACK TO REPAIR WELL
Approximate date work will start:	CASING REPAIR	NEW CONSTRUCTION	TEMPORARILY ABANDON
	CHANGE TO PREVIOUS PLANS	✓ OPERATOR CHANGE	TUBING REPAIR
***************************************	CHANGE TUBING	PLUG AND ABANDON	VENT OR FLARE
	<b> </b>		WATER DISPOSAL
SUBSEQUENT REPORT (Submit Original Form Only)	CHANGE WELL NAME	PLUG BACK	
Date of work completion:	CHANGE WELL STATUS	PRODUCTION (START/RESUME)	WATER SHUT-OFF
Date of Work Completion.	COMMINGLE PRODUCING FORMATIONS	RECLAMATION OF WELL SITE	OTHER:
	CONVERT WELL TYPE	RECOMPLETE - DIFFERENT FORMA	TION
	DMPLETED OPERATIONS. Clearly show all p		
Citation Oil & Gas Corp. h Operator of Record effect	as sold the captioned well to Ric ive 4/1/2013	hardson Operating Company	and requests they be named as
Please release this well fr	om coverage under Citation Oil &	Gas Corp.'s Utah Statewide	Bond # 104325628.
On behalf of Citation Oil 8	Gas Corp. I hereby certify that t	he foregoing is true and corre	
Sharon Ward Permitting N	Manager: Shanou (	Date: 4/1/	2013
Record for the above cap	ment, Richardson Operating Con tioned well and accepts responsi Department of the Interior, Bure	bility for this well under it's St	Itah to approve them as Operator of catewide Oil and Gas Lease Bond in and # RLB0002500.
On behalf of Richardso	on Operating Company, I hereby certify	hat the foregoing is true and corre	ct:
NAME (PLEASE PRINT)	David B. Richardson, Jr.	TITLE	President

(This space for State use only)



#### RICHARDSON OPERATING COMPANY

4725 S. Monaco Street, Suite 200 Denver, Colorado 80237 (303) 830-8000 Fax (303) 830-8009

> RECEIVED AUG 0 2 2013

July 29, 2013

DIV. OF OIL, GAS & MINING

Attn: Zeke Clements

Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210

Box 145801

Salt Lake City, Utah 84114-5801

Re: Sundry Notices and Reports on Wells - Change of Operator and Transfers of Authority to Inject

#### Dear Zeke:

Enclosed for approval by the Utah Divisio of Oil, Gas and Mining, please find two originally executed Sundry Notices and Reports on Wells on Form 9, for the following 18 leases and wells (API # included):

Lease #	Well Name	API Well No.
UTU-20894	Wash Unit 2	43-037-31324
UTU-20895	Havasu-Federal 41-24	43-037-31279
UTU-20895	Havasu-Federal 42-24	43-037-31298
UTU-40361	Bannock -Fed 21-33	43-037-31425 <
UTU-52333	24-4 Kiva Federal	43-037-31745
UTU-52333	Navajo Federal 12-4	43-037-31395
UTU-52333	Navajo Federal 14-4	43-037-31321
UTU-52333	Navajo Federal 21-9	43-037-31267
UTU-52333	Navajo Federal 4-1	43-037-31112
UTU-52333	Navajo Federal 4-2	43-037-31161
UTU-52333	Navajo Federal 42-9	43-037-31263
UTU-52333	Navajo Federal 4-4	43-037-31179
UTU-52333	Navajo Federal 9-1	43-037-31001
UTU-56185	Arabian Federal 3	43-037-31287
UTU-56186	Havasu-Federal 11-19	43-037-31458
UTU-56186	Havasu-Federal 22-19	43-037-31278
UTU-58728	Navajo Federal 42-5	43-037-31261
UTU-58728	Navajo Federal 43-5	43-037-31317

**APPROVED** 

AUG 1 9 2013

DIV. OIL GAS & MINING BY: Rachel Medina

Also enclosed for the approval by the Utah Division of Oil, Gas and Mining, please find one originally executed Transfer of Authority to Inject on Form UIC Form 5 for the following seven wells:

Lease #	Well Name	API Well No.
UTU-20895	Havasu-Federal 42-24	43-037-31298
UTU-52333	Navajo Federal 12-4	43-037-31395
UTU-52333	Navajo Federal 14-4	43-037-31321
UTU-52333	Navajo Federal 21-9	43-037-31267
UTU-52333	Navajo Federal 4-1	43-037-31112
UTU-56186	Havasu-Federal 11-19	43-037-31458
UTU-58728	Navajo Federal 43-5	43-037-31317

Please return the approved documents for each well to:

Richardson Operating Company 4725 S. Monaco Street, Suite 200, Denver, Colorado 80237.

If you have any questions, please do not hesitate to contact me at the number above or via email at land@richardsonoil.com.

Sincerely,

Ann Barthrop

Senior Land Analyst

Can Bathop

**Enclosures** 

AUG 0 2 2013

Div. of Oil, Gas & Mining

### **OPERATOR CHANGE WORKSHEET (for state use only)**

ROUTING
CDW

X - Change of Operator (Well Sold)	_			Оре	erator Na	ıme Chan	ge/Merger					
The operator of the well(s) listed below has change	4/1/2013											
FROM: (Old Operator):		ТО	( New Op	perator):								
N0265-Citation Oil & Gas Corp							ing Co.					
P O BOX 690688				N2400-Richardson Operating Co. 4725 S Monaco Street, Suite 200								
Houston, TX. 77269					er, CO. 80	-						
110000011, 171. 77207					.,							
Phone: 1 (281) 891-1000				Phone: 1 (303)830-8000								
CA No.	CA No.					Unit: Kiva(Upper Mesa)						
WELL NAME	SEC	TWN	RNG	API	NO	ENTITY	LEASE TYPE	WELL	WELL			
						NO		TYPE	STATUS			
See Attached List				<u> </u>			<u> </u>					
OPERATOR CHANGES DOCUMENT.  Enter date after each listed item is completed  1. (R649-8-10) Sundry or legal documentation wa  2. (R649-8-10) Sundry or legal documentation wa  3. The new company was checked on the Departs  4a. Is the new operator registered in the State of U  5a. (R649-9-2) Waste Management Plan has been re  5b. Inspections of LA PA state/fee well sites complete.  5c. Reports current for Production/Disposition & S  6. Federal and Indian Lease Wells: The BL  or operator change for all wells listed on Federal  7. Federal and Indian Units:  The BLM or BIA has approved the successor  8. Federal and Indian Communization Agin	s recess recess recess recess recess recess received the second re	eived fictived find on:  a:  a:  as on:  d or the ordian l	e BIA heleases corator for	Busin  8/1  nas appon:	v operator sion of Coness Numb N/A N/A 19/2013 proved the	on: orporation oer:	8776630-0143	BIA	8/26/2013 N/A			
The BLM or BIA has approved the operator f					a CA on:		Not Yet					
9. Underground Injection Control ("UIC"						orm 5 Trai		ity to				
Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on:  NATA ENTRY:  8/7/2013												
	0.20.1			0/	26/2013							
<ol> <li>Changes entered in the Oil and Gas Database</li> <li>Changes have been entered on the Monthly Op</li> </ol>			•	8/26/2013								
3. Bond information entered in RBDMS on:	cian	и спа	inge op		26/2013		0/20/2015					
4. Fee/State wells attached to bond in RBDMS on					N/A	•						
5. Injection Projects to new operator in RBDMS of				_	26/2013	•						
6. Receipt of Acceptance of Drilling Procedures for		D/New	v on:			N/A						
BOND VERIFICATION:	<i>7</i> 1	25,1101	. 011.				•					
4 = 4 1 11/2 11 12 13/1				מום	30002500							
<ol> <li>Federal well(s) covered by Bond Number:</li> <li>Indian well(s) covered by Bond Number:</li> </ol>					N/A	•						
	الميد	(c) liet	ed cove			Imber	N/A					
							1071	•				
3b. The <b>FORMER</b> operator has requested a release	01 11	ability	from ti	neir bo	ona on:	N/A						
LEASE INTEREST OWNER NOTIFIC	ATI	ON:					-					
4. (R649-2-10) The <b>NEW</b> operator of the fee wells			ntacted	l and i	nformed b	v a letter fr	om the Division					
of their responsibility to notify all interest owners of this change or						N/A						
COMMENTS:						<del>-</del>						

#### Citation Oil & Gas Corp (N0265) to Richardson Operating Co. (N2400) Effective 1-April-2013

Well Name	Sec.	Township	Range	API No.	Utah Entity No.	Mineral Lease Type	Well Type	Well Status	Unit Name
NAVAJO FEDERAL 9-1	09	390S	250E	4303731001	9975	Federal	Oil Well	Producing	KIVA (UPPER MESA)
NAVAJO FED 4-1	04	390S	250E	4303731112	9975	Federal	Water Injection	Active	KIVA (UPPER MESA)
NAVAJO FEDERAL 4-2	04	390S	250E	4303731161	9975	Federal	Oil Well	Producing	KIVA (UPPER MESA)
NAVAJO FEDERAL 4-4	04	390S	250E	4303731179	9975	Federal	Oil Well	Producing	KIVA (UPPER MESA)
NAVAJO FEDERAL 42-5	05	390S	250E	4303731261	9975	Federal	Oil Well	Producing	KIVA (UPPER MESA)
NAVAJO FEDERAL 42-9	09	390S	250E	4303731263	9975	Federal	Water Source	Active	KIVA (UPPER MESA)
NAVAJO FED 21-9	09	390S	250E	4303731267	9975	Federal	Water Injection	Active	KIVA (UPPER MESA)
NAVAJO FED 43-5	04	390S	250E	4303731317	9975	Federal	Water Injection	Active	KIVA (UPPER MESA)
NAVAJO FED 14-4	04	390S	250E	4303731321	9975	Federal	Water Injection	Active	KIVA (UPPER MESA)
NAVAJO FED 12-4	04	390S	250E	4303731395	9975	Federal	Water Injection	Plugged	KIVA (UPPER MESA)
24-4 KIVA FEDERAL	04	3905	250F	4303731745	9975	Federal	Oil Well	Producina	KIVA (UPPER MESA)

## RECEIVED

# STATE OF UTAH

	DEPARTMENT OF NATURAL RESOUF DIVISION OF OIL, GAS AND MII	VING	5. LEASE DESIGNATION AND SERIAL NUMBER: Federal UTU-58728					
SUNDRY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:							
Do not use this form for proposals to drill no drill horizontal la	7. UNIT or CA AGREEMENT NAME:							
1. TYPE OF WELL OIL WELL	8. WELL NAME and NUMBER: NAVAJO FEDERAL 42-5							
2. NAME OF OPERATOR: Richardson Operating Cor	9. API NUMBER: 037-31261							
3. ADDRESS OF OPERATOR: 4725 S Monaco St. Suite 200	10. FIELD AND POOL, OR WILDCAT:  KIVA							
4. LOCATION OF WELL		. Tendagen Sejna, Nasses Ad	COUNTY: SAN JUAN					
FOOTAGES AT SURFACE: 2130								
QTR/QTR, SECTION, TOWNSHIP, RAN	ge, meridian: SENE - 5 - 39S 2	<b>5E</b> 1 (24)	STATE: UTAH					
11. CHECK APPF	ROPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, RE	EPORT, OR OTHER DATA					
TYPE OF SUBMISSION		TYPE OF ACTION						
[7] WOTIOS OF INITENT	ACIDIZE	DEEPEN	REPERFORATE CURRENT FORMATION					
NOTICE OF INTENT (Submit in Duplicate)	ALTER CASING	FRACTURE TREAT	SIDETRACK TO REPAIR WELL					
Approximate date work will start:	CASING REPAIR	NEW CONSTRUCTION	TEMPORARILY ABANDON					
	CHANGE TO PREVIOUS PLANS	✓ OPERATOR CHANGE	TUBING REPAIR					
	CHANGE TUBING	PLUG AND ABANDON	VENT OR FLARE					
	<b> </b>		WATER DISPOSAL					
SUBSEQUENT REPORT (Submit Original Form Only)	CHANGE WELL NAME	PLUG BACK						
Date of work completion:	CHANGE WELL STATUS	PRODUCTION (START/RESUME)	WATER SHUT-OFF					
Date of Well Completion.	COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE							
CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION								
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.								
Citation Oil & Gas Corp. h Operator of Record effect	eas sold the captioned well to Ric ive 4/1/2013	hardson Operating Company	and requests they be named as					
Please release this well from coverage under Citation Oil & Gas Corp.'s Utah Statewide Bond # 104325628.								
On behalf of Citation Oil & Gas Corp. I hereby certify that the foregoing is true and correct:								
Sharon Ward Permitting Manager: Shanon Date: 4/1/2013								
By execution of this document, Richardson Operating Company requests the State of Utah to approve them as Operator of Record for the above captioned well and accepts responsibility for this well under it's Statewide Oil and Gas Lease Bond in favor of the United States Department of the Interior, Bureau of Land Management Bond # RLB0002500.								
On behalf of Richardso	on Operating Company, I hereby certify	hat the foregoing is true and corre	ect:					
NAME (PLEASE PRINT)	David B. Richardson, Jr.	TITLE	President					

(This space for State use only)